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Picto	Pictograms Socket openings / Bit shape								
0	FLAT DRIVE® (6-point)	0	TORX <sup>®</sup> (E)		TORX® (T)				
0	FLAT DRIVE® (12-point)	0	NUT GRIP® / TORX® (E)	<b>Q</b>	Tamper-Resistant TORX® (TH)				
$\bigcirc$	NUT GRIP®	0	TORXplus® (EP)		TORXplus® (IP)				
0	NUT GRIP® (3-ball)	0	Tamper-Resistant TORXplus® (EPR)		Tamper-Resistant TORXplus® (IPR)				
0	Surface Drive	0	LH-STIX® (LH-S)		Triple-Square(XZN)				
0	PATHFINDER®	0	Bit Holder	0	Triple-Square with Hole(XZN)				
O	Flare Nut	<b>①</b>	Phillips		Ribe-CV				
0	Square	$\bigcirc$	Slotted		POLYDRIVE				
0	Double Square		Hexagon		Double-Hexagon				
0	Stud Bolt Puller	*	PZ	ШШ	Socket Set on Rail				
0	NUTTWISTER®		Square Male						

Pictogra	Pictograms Mechanics / Specification								
SODH - System	S.O.D.H <sup>®</sup> -System	* (* thin	Thin-Walled(6-point)	1/4" 1/4"	1/4"(6.35mm) Sq. Dr.				
SODH*System	S.O.D.H <sup>®</sup> -System (4750 series)	+ (+ thin	Thin-Walled(12-point)	3/8" 3/8"	3/8"(9.5mm) Sq. Dr.				
2 Two-Step Dog	Two-Step Dog	Magnet	with Magnet	1/2" 1/2"	1/2"(12.7mm) Sq. Dr.				
Three-Step Dog	Three-Step Dog	<b>(20)</b>	20 tooth Gear	5/8" 5/8"	5/8"(15.9mm) Sq. Dr.				
Quick Release	Quick Release Button	<b>24</b>	24 tooth Gear	3/4" 3/4"	3/4"(19.0mm) Sq. Dr.				
ID Flexible Head	Flexible Head	<b>30</b>	30 tooth Gear	1" 1"	1"(25.4mm) Sq. Dr.				
Swivel Head	Swivel Head	36)	36 tooth Gear	1.1/2" 1.1/2"	1.1/2"(38.1mm) Sq. Dr.				
L/R Marking	L/R Marking	44)	44 tooth Gear	2:1/2" 2:1/2"	2.1/2"(63.5mm) Sq. Dr.				
OVAL Shank	Oval Shape Shank	45	45 tooth Gear	3.1/2" 3.1/2"	3.1/2"(88.9mm) Sq. Dr.				
Wohlde-Fix	Wobble-Fix	60	60 tooth Gear	1	Caution				
		72	72 tooth Gear		Modification				

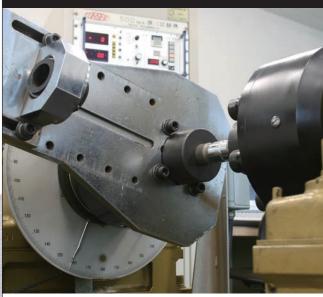


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### ■ TEST AND LABORATORY



Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The

test results are used to improve our standard products and assist with new product design and development.





### ■ DESIGN AND DEVELOPMENT



The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



# FORGING

The Forming machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. On the other hand, ordinary forging machines are also used for small production runs.









The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.



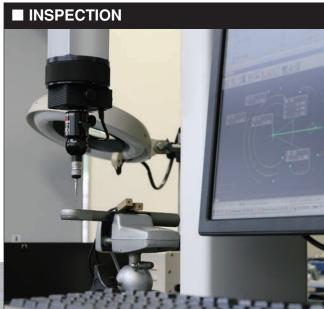




To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.







Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.









Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.

The Flat contact reduces wear and allows to transmit a higher torque value.

The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de Contacto Plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir un par mayor.

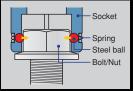
El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca hexagonal o bi-hexagonal del vaso.

# **SOCKETS**





Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

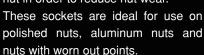
### **SURFACE DRIVE**







Surface drive sockets are designed to retain contact with the flat sides of the nut in order to reduce nut wear.





Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca.

Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.

### **PATHFINDER®**





The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.















### SODH®-System

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly.

The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Los dos trinquetes del cuerpo de la llave de carraca y sus muelles están dispuestos en el cuerpo de la llave de forma que se mantienen firmemente en posición permitiendo un cambio suave de la palanca de inversión y del trinquete.

El par sobre la rueda dentada se transmite verticalmente al trinquete, y al mismo tiempo al mango de la llave de carraca. Este mecanismo bloquea firmemente los dientes mientras se aplica el par, evitando así el deslizamiento de los mismos.





### **Two-Step Dog**

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Los dientes de la rueda de la llave de carraca se inmovilizan por medio de dos dientes aumentando de esta forma el par máximo de la llave en comparación con el sistema de un paso.





### Three-Step Dog

Two dogs are set in the same axis, and the three teeth hold the ratchet gear.

The enlarged contact area produces about 10% higher torque value and the S.O.D.H-System provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.

El aumento de la superficie de contacto produce un aumento de par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.









### **OVAL SHAPE SHANK**





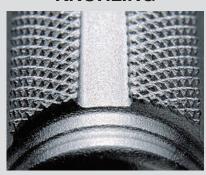


Unique designed oval shape shank provides extra strength and durability.

El particular diseño de caña de sección Ovalada proporciona más resistencia y duración.



### KNURLING



Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.

Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.



### **WOBBLE-FIX**

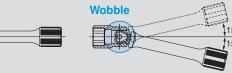




One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

Una, como alargadera flexible que permite trabajar con un ángulo de 15°, otra, como alargadera normal.









### **STUD BOLT PULLER**



The body design was changed to hexagonal shape to minimize tolerances. This shape is also effective to lessen excessive load on cages and rollers inside the body.

### **RATCHET PULLER**



Puller for tightening stud bolts. Go-through body allows puller to grip the stud bolt at any position along the stud.

Three-roller protects the bolt from damage.

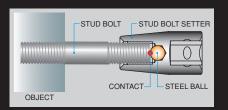






### STUD BOLT SETTER

Special socket for installing a stud bolt. The bolt contacts with a steel ball to prevent the bolt from sticking onto the socket. After installing the bolt, turn anticlockwise to remove the socket.









### BLACK FINISHED HEAD

The top of Attack Driver is manganese phosphate treated to prevent chrome peeling off the head when it is struck.



### ■ ■ HEAT TREATMENT FOR ANTI-CRACK

Special Heat treatment is applied on the parts of Attack Driver. Hardness of Striking head is slightly softer to prevent cracking. The cam part has higher hardness to improve anti-wear.

### SPRING

Strong spring is used to convert the striking power efficiently into twisting power.



### BODY SHAPE

Original body shape allows stronger grip. It makes it easier to convert the ATTACK DRIVER® striking power into twisting power.











### **SPINNING CROSS WRENCH**

The shaft of cross wrench turns freely within the knurled grip. The cross bar is removable for easy storage in a compact space.





### **FLEXIBLE SPEEDER**

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.





### **SPINNING SLIDE T-HANDLE**

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.



# IMPACT WHEEL NUT SOCKET



# SPARK PLUG SOCKET



### **CLIP TYPE**

It is designed to grip a spark plug securely at its hexagonal part by two stainless spring clips.

Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

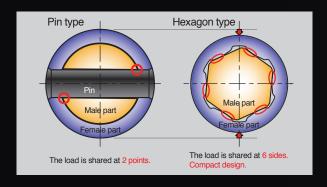
The brass guide also eliminates stress loading and possible damage to the ceramic insulator.



**UNIVERSAL JOINT** 

# Hexahedral engagement achieved with compact design





Ball type universal joints use a new structure of joint mechanism without a pin.

Being connected by mutually engaged hexahedrons, the load is dispersed across the whole outer circumference.

High durability is obtained with this innovative, compact design.



# **LOCKING ADAPTOR**

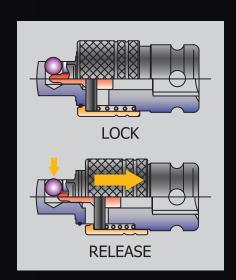
Impact sockets can be attached or detached on the LOCKING ADAPTOR for safety just by sliding the holder rather than using a pin and an O-ring.



LOCKING

It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.







# **BOLTTWISTER®**





### License

## • TORX®/ TORXplase & LHStix®

TORX\*/ IORX\*\* and LHStix are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

TORX\*/ IORX\*\* y LHSTIX\* están reconocidos como los tres sistemas más efectivos de fijación debido a su mayor capacidad de transmitir par, reducir el par final y eliminar completamente el deslizamiento de la herramienta.

TORX® & TORXPLUS®







TORX Stees



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LHSTIX®











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### **Registered Trademarks**



山下工業研究所 山下工研 SODH®-System Flatdrive® ATTACK DRIVER® HANDY-ENDY® PATHFINDER® Nut Grip® LOCK NUT BUSTER® NUT TWISTER® BOLT TWISTER®

### Aerial Photograph



### Warranty

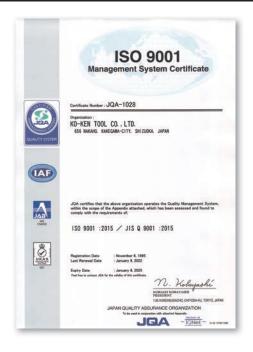
### **WARRANTY**

The trade mark **Koken** is your unqualified warranty against any defect in material or workmanship. Each **Koken** tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any **Koken** tool which fails because of defective material or workmanship will be repaired or replaced through your **Koken** dealer, to the exclusion of any further liability.

### **GARANTIA**

La marca **Koken** es la garantía incondicional contra cualquier defecto de materiales o de fabricación. Todas las herramientas **Koken** están fabricadas para satisfacer con creces las exigencias del uso previsto y se inspeccionan meticulosamente antes de su expedición. Las herramientas **Koken** que fallen por defectos de materiales o de fabricación se repararán o reemplazarán a través del distribuidor **Koken** correspondiente, excluyendo cualquier otra responsabilidad.

### ISO9001









### **GENERAL / CONSIDERACIONES GENERALES**

- (a) Make sure you use the right type socket, whose opening fit the nut.Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.
- (b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only. Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.
- (c) When using nut runners or IMPACT Wrenches wear safety goggles. Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad.
- (d) Plastic or rubber handles are not intended to act as insulation.
   Los mangos de goma o de plástico no están previstos para aislamiento
- (e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket.
   No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.
- (f) Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.
  Los artículos de este catálogo marcados se pueden forzar con pares que pueden causar

Los artículos de este catálogo marcados se pueden forzar con pares que pueden causar rotura. En interés de su propia seguridad aplicar siempre el par uniforme y progresivamente para evitar la rotura y posibles lesiones.

### **SOCKETS / VASOS**

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Los vasos que presenten paredes agrietadas, cantos machacados u otros signos de desgaste deben reemplazarse.

### HANDLES / MANGOS

A ratchet is not a hammer

Una llave de carraca no es un martillo.

Never use loose pipes or other improvised attachments on handles for increased leverage.

No utilizar nunca tubos sueltos u otras herramientas improvisadas con los mangos para aumentar el brazo de palanca.

### **EXTENSION BARS / ALARGADERAS**

The combination of several short extensions instead of one correct sized one is to be avoided.

Debe evitarse combinar varias alargaderas cortas en lugar de una sola alargadera de longitud correcta.

### **ADAPTORS / ADAPTADORES**

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Los adaptadores se deben utilizar razonablemente. Debe tenerse en cuenta que al utilizar adaptadores "para menor diámetro", mayor mango en un vaso conductor más pequeño, se consiguen pares superiores al necesario. Mantenerse siempre dentro de límites seguros.





# Kokon Z-series



**Z-series MOVIE** 

Z series - Evolution of Automotive service Lineup

### - CONCEPT -

Continued advancements in engine designs and structures are producing engines that are more complex and compact.

Work environments are being transformed to cater towards increased demands on auto mechanics. We at Ko-ken TOOL CO., LTD., specialists in socket wrench manufacturing, have been committed to the development of automotive tools that are more suitable by pouring in our passion for perfecting hand tools and utilizing our experience obtained through over half a century of manufacturing to create the Z series.

"Z" stands for "zeal". Through their unequaled performance, Z-Series tools are certain to become the mechanic's new standard for the next generation of automotive tools.

### - OVERALL -



### Designed for best performance

The designs were thoroughly reviewed to produce the Z-series.

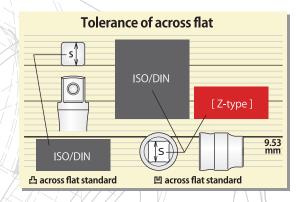
All items in this series are now more compact.

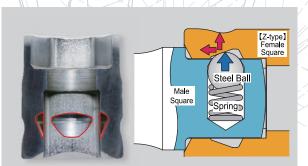
Foregoing standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in all professional mechanics.

### Tolerance – Square drive

Movement at the joint between a socket and a ratchet or other drive accessory has been accepted as unavoidable.

To reduce this movement, we thoroughly reviewed dimensional accuracy of all the joint parts of Z-Series, and any movement in the rotating direction has now been minimized through production technologies.



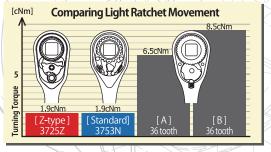


### Ball Holding Groove

The new Ball Holding system was installed. Any movement in the connecting direction has been reduced by a mechanism that pulls the parts together.

### - REVERSIBLE RATCHET -





A, B: Other brand

### 72 tooth gear Ratchet Handle - Light Ratchet Movement

This ratchet handle has a new mechanism for enhanced usability.

This Ratchet has incredibly light turning torque that enables working on loosely tightened bolts.

With the compact head and balanced design, the Z-Series ratchet has evolved into what can be called the "ideal ratchet handle".

### Push release: Locking type

Innovative new locking mechanism is installed. This new mechanism achieved both of locking a socket and also unique feature of Z-series pulls parts together for tight connection.



### - SOCKETS -

### Compact

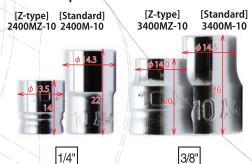
The length and diameter of sockets have been significantly reduced.

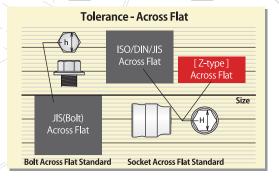
Ideal for working in confined and tight areas.

### **Tolerance - Hexagon Opening.**

Foregoing the ISO and DIN standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in professional mechanics.

### - Comparison of 10mm Sockets-

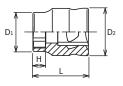




2400MZ O 6-point Sockets Vasos Hexagonales







2400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3	16.8	7	15	16	10

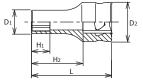
R	S2400MZ/12	12 Pieces Set/Rail 200mm	(g) (\bullet \bullet \
	4, 4,5, 5, 5,5, 6, 7	7, 8, 10, 11, 12, 13, 14	228

### RS2400MZ/12 O Juli Socket Set on Rail Juego de Vasos en Regleta



2300XZ O 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos





### RS2300XZ/9 O Juliu Socket Set on Rail Juego de Vasos en Regleta



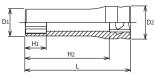


### 2300MZ (



6-point Deep Sockets Vasos Hexagonales Largos







RS2300MZ/12 O Juli Socket Set on Rail Juego de Vasos en Regleta



2300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
5.5	8.2	11	6	20	30	10	10
6	8.8	11	7	20	30	10	10
7	9.9	11	8	20	30	11	10
8	11.1	11.7	9	20	30	13	10
10	13.5	12.5	11	20	30	16	10
11	14.7	13.2	12	20	30	19	10
12	15.9	14.4	13	20	30	22	10
13	17.1	15.6	14	20	30	26	10
14	18.3	16.8	14	20	30	30	10

RS2300XZ/9	9 Pieces Set/Rail 200mm	₫∄ (g)
5.5, 6, 7, 8, 10, 11,	12, 13, 14	290

2300MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

RS2300MZ/12	12 Pieces Set/Rail 200mm	∆ ∕∆ (g)
4, 4.5, 5, 5.5, 6, 7	, 8, 10, 11, 12, 13, 14	445

	2441MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	8	12.3	11.7	4.5	30.5	18	10
New	10	14.3	11.7	4.5	30.5	20	10
New	12	16.8	11.7	5.5	31.5	25	10
New	13	18	11.7	5.5	31.5	27	10
New	14	20	11.7	7	33	31	10

2000Z.28 (PH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

2000Z.50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1	11.2	4	34	50	11	10
2	11.2	5	34	50	13	10
3	11.2	-	34	50	16	10

2005Z.25	T × W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	1.0 × 5.5	11.2	9	25	9	10
6	$1.2 \times 6.5$	11.2	9	25	10	10

2010MZ.25 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10

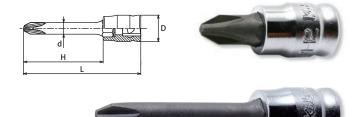
2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	11.2	4	34	50	11	10
4	11.2	5	34	50	13	10
5	11.2	6	34	50	15	10
6	11.2	-	34	50	17	10

RS20XXZ/9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	1, 2, 3	
2005Z.25	5, 6	213
2010MZ.25	3, 4, 5, 6	

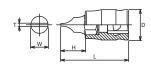
### **2441MZ** Nut Grip Universal Sockets **Nut Grip**® Vasos Sujeta-Tuercas con Articulación Universal



PH Bit Sockets Vasos con Punta PH 2000Z-28 · -50

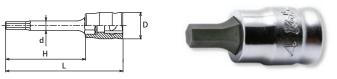
















Z-series

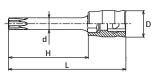
2025Z-28·-50 (\*)



TORX® Bit Sockets Vasos con Punta TORX®







2025Z.28 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	11.2	12	28	9	10
T15	11.2	12	28	9	10
T20	11.2	12	28	9	10
T25	11.2	12	28	10	10
T27	11.2	12	28	10	10
T30	11.2	12	28	10	10
T40	11.2	12	28	11	10

2025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	11.2	4	34	50	11	10
T15	11.2	4	34	50	11	10
T20	11.2	4.5	34	50	12	10
T25	11.2	5	34	50	13	10
T27	11.2	5	34	50	13	10
T30	11.2	5.6	34	50	15	10
T40	11.2	-	34	50	17	10

RS2025Z/7-L28 Socket Set on Rail Juego de Vasos en Regleta RS2025Z/7-L50







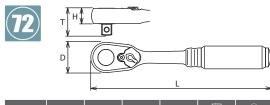
RS2025Z/7-L28	7 Pieces Set/Rail 200mm	⊕`⊕ (g)
T10, T15, T20, T25	, T27, T30, T40	195

RS2025Z/7-L50	7 Pieces Set/Rail 200mm	₫Д (g)
T10, T15, T20,	T25, T27, T30, T40	220

2725Z

Reversible Ratchet Llave de Carraca Reversible





	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	
2725Z	20.5	17.1	9.5	114	79	1	

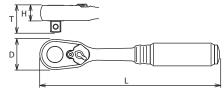
\* Renewal Kits → 2725RK-2 → P322



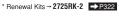
Reversible Ratchet
Llave de Carraca Reversible







	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
<b>₽</b> 2725Z-1	20.5	17.1	9.5	160	115	1

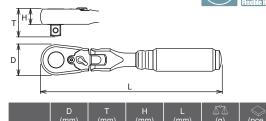




2725Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)



114

160

125

1

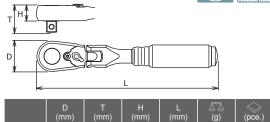






103





9.5

20.5 \* Renewal Kits → **2725RK-2** → P322

17.1

2726Z-160

2726Z-160

Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)





2726Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



**2760Z** Extension Bars Alargaderas



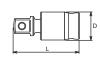
0		
4	L	

2760Z	D (mm)	L (mm)	₫₫ (g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

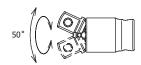
**2771Z** 

Universal Joint Articulación Universal





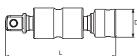
	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
2771Z	11.7	29.9	15	10



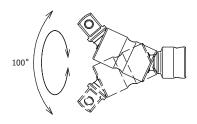
**2772Z** 

Universal Joint Articulación Universal





	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
2772Z	11.7	46	26	10



2756Z

Quick Spinner Disco de Giro Rápido



	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
2756Z	20.3	18	15	10



2756Z-3/8 2756Z-1/2

Quick Spinner, Adaptor



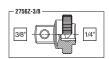






2756Z-3/8

2756Z-1/2

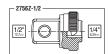


21.5

26

D (mm)

20.3

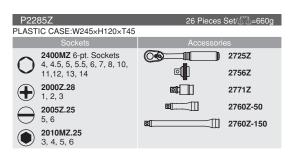


10

10

₫₫ (g)

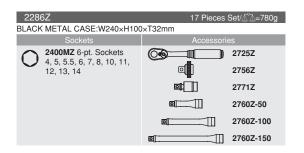
35



Socket Set Juego de Vasos P2285Z



1/4"



Socket Set Juego de Vasos 2286Z



2285ZE Rail 200mm/PLASTIC BAG **2400MZ** 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14 27257 2756Z 2285ZE Socket Set Juego de Vasos



**3400MZ** O 6-point Sockets Vasos Hexagonales





D1	H	D2
	H L	

3400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M. Ideal for working in confined and tight areas.

# RS3400MZ/12



RS3400MZ/8 O Juliu Socket Set on Rail Juego de Vasos en Regleta

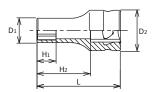


**3300XZ** O 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



RS3300XZ/8

RS3300XZ/12



# Socket Set on Rail Juego de Vasos en Regleta



RS3400MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13	3, 14, 17, 19	320
RS3400MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14,	, 15, 16, 17, 18, 19	490

3300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
7	10.3	17	8	23	35	23	10
8	11.5	17	9	23	35	24	10
10	14	17	11	23	35	26	10
11	15.3	17	12	23	35	28	10
12	16.5	17	13	23	35	29	10
13	17.8	17	14	23	35	32	10
14	19	17	16	23	35	34	10
15	20.2	18.2	16	23	35	40	10
16	21.3	19.3	16.5	23	35	45	10
17	22.5	20.5	16.5	23	35	50	10
18	23.6	21.6	16.5	23	35	56	10
19	24.8	22.8	18	23	35	60	10

		(9)		
8, 10, 11, 12, 13, 14, 17, 19				
RS3300XZ/12	12 Pieces Set/Rail 300mm	₫Д (g)		
7, 8, 10, 11, 12, 13, 14,	15, 16, 17, 18, 19	630		

8 Pieces Set/Rail 200mm

RS3300XZ/8

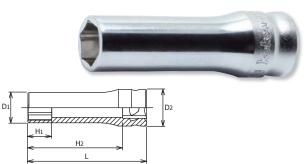


3300MZ 10.3 41.5 11.5 41.5 41.5 15.3 41.5 16.5 41.5 41.5 41.5 20.2 18.2 40.5 21.3 19.3 40.5 22.5 20.5 40.5 23.6 21.6 39.5 24.8 22.8 39.5 

FLAT DRIVE®	



RS3300MZ/8



RS3300MZ/8	8 Pieces Set/Rail 200mm	₫Д (g)
8, 10, 11,	12, 13, 14, 17, 19	600

7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

12 Pieces Set/Rail 300mm

RS3300MZ/12

RS3300MZ	/12	ouego de vaso	o en riegiota
		Table Server S	

Socket Set on Rail
Juego de Vasos en Regleta

RS3X00MZ/12	12 Pieces Set/Rail 300mm	₫∄ (g)
3400MZ	8, 10, 11, 12, 13, 14, 17, 19	550
3300MZ	8, 10, 12, 14	550

RS3X00MZ/12 O Juliu Socket Set on Rail Juego de Vasos en Regleta



3300CZ (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Ø∄ (g)	(pcs.)
14	18.4	11	17	70	67	10
16	20.5	13	17	70	71	10
18	22.9	12	17	70	75	10
20.8	26.3	13.5	17	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.

Spring clip type spark plug sockets caused deforming the clip if it would be used with Spring clip type spark shallow engagement.



3305PZ (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

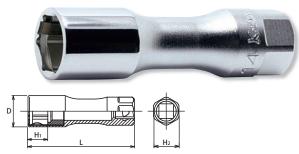
Spark Plug Socket with Magnet, 12-pt. opening: size 14mm





The magnet could be broken with any impacts. Please handle with care.



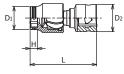






**3441MZ** ONUT Grip Universal Sockets **Nut Grip** Vasos Sujeta-Tuercas con Articulación Universal





3010MZ-50 · -75

Inhex Bit Sockets Vasos con Punta Hexagonal



	3441MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	8	12	17	4.5	41.5	45	10
New	10	14.5	17	4.5	41.5	47	10
New	12	16.8	17	5.5	42.5	50	10
New	13	17.8	17	5.5	42.5	53	10
New	14	19.5	17	7	44	55	10
New	17	23.4	17	8.5	45.5	66	10

3010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	17	4	23.5	50	28	10
4	17	5	23.5	50	29	10
5	17	6	23.5	50	30	10
6	17	7	23.5	50	35	10
7	17	-	23.5	50	38	10
8	17	-	23.5	50	40	10
10	17	-	23.5	50	50	10
12	19		23.5	50	70	10
3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3	17	6	48.5	75	33	10
4	17	6	48.5	75	35	10
5	17	6	48.5	75	36	10

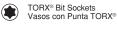
3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	17	6	48.5	75	33	10
4	17	6	48.5	75	35	10
5	17	6	48.5	75	36	10
6	17	7	48.5	75	41	10
7	17	7.9	48.5	75	45	10
8	17	-	48.5	75	48	10
10	17	-	48.5	75	65	10
12	19	-	48.5	75	90	10

RS3010MZ/8-L50 Socket Set on Rail Juego de Vasos en Regleta RS3010MZ/8-L75





3025Z-50 · -75 ♠





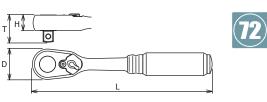
RS3010MZ/8-L50	8 Pieces Set/Rail 200mm	Ø∄ (g)
3, 4, 5, 6,	7, 8, 10, 12	460
RS3010MZ/8-L75	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6,	7, 8, 10, 12	530

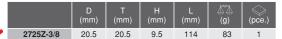
3025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.9	23.5	50	38	10
T50	17	8.9	23.5	50	48	10
T55	19	11.3	23.5	50	70	10

3025Z.75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20	17	4.5	48.5	75	32	10
T25	17	5	48.5	75	33	10
T27	17	5	48.5	75	33	10
T30	17	5.6	48.5	75	35	10
T40	17	6.7	48.5	75	41	10
T45	17	7.9	48.5	75	45	10
T50	17	8.9	48.5	75	55	10
T55	19	11.3	48.5	75	80	10

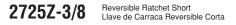
RS3025Z/8-L50	Socket Set on Rail Juego de Vasos en Reg	leta
RS3025Z/8-L75		

RS3025Z/8-L50 T20, T25 ,T27, T	8 Pieces Set/Rail 200mm	(g) 450
RS3025Z/8-L75	8 Pieces Set/Rail 200mm	₫∄ (g)
T20, T25, T27, T	30, T40, T45, T50, T55	480





\* Renewal Kits → 2725RK-2(3/8) → P322

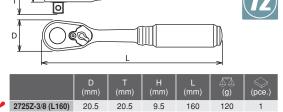






Reversible Ratchet Short
Llave de Carraca Reversible Corta

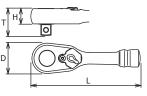




\* Renewal Kits → 2725RK-2(3/8) → P322

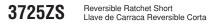
2725Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury. 2725Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive



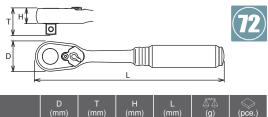




\* Renewal Kits → 3725RK-2 → P322







3725Z 28 24.5 13.7 178 236 1 \* Renewal Kits → 3725RK-2 → P322

Reversible Ratchet 3725Z Llave de Carraca Reversible





3725Z-280

Reversible Ratchet Llave de Carraca Reversible



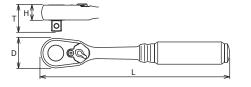


	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3725Z-280	28	24.5	13.7	280	360	1

\* Renewal Kits → 3725RK-2 → P322



3725Z-280 have longer handle than standard, and can be loaded to excessive torque 3725Z-280 have longer handle than standard, and call be loaded to excessive longer value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



### 2725ZB-3/8

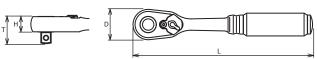
Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida





		D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
New	2725ZB-3/8	20.5	20.5	9.5	114	83	1

\* Renewal Kits → 2725BRK-1(3/8) → P322

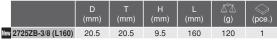


### 2725ZB-3/8 (L160)

Reversible Ratchet Long with Quick Release Button Llave de Carraca Reversible Langa con botón de extracción rápida

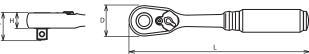






\* Renewal Kits → 2725BRK-1(3/8) → P322

2725ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value.In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury



### 3725ZSB

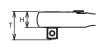
Reversible Ratchet Short with Quick Release Button Llave de Carraca Reversible Corta con botón de extracción rápida

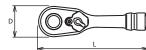




	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
New 37257SB	28	24.5	13.7	100	157	1

\* Renewal Kits → **3725BRK-1** → P322





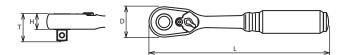
### 3725ZB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida









	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
New 3725ZB	28	24.5	13.7	178	236	1
* Renewal Kits	- 3725BRK	-1 →P322				

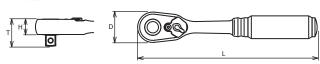
### 3725ZB-280

Reversible Ratchet Long with Quick Release Button Llave de Carraca Reversible Langa con botón de extracción rápida









	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
New 3725ZB-280	28	24.5	13.7	280	360	1

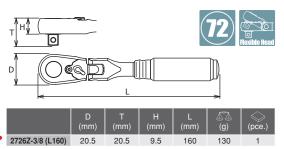
\* Renewal Kits → 3725BRK-1 → P322



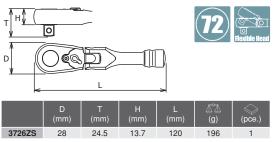
3725ZB-280 have longer handle than standard, and can be loaded to excessive 3725ZB-280 have longer handle than standard, and can be located to observe torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

20.5 20.5 9.5 114 107





\* Renewal Kits → 2725RK-2(3/8) → P322



\* Renewal Kits → 3725RK-2 → P322



Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)



## 2726Z-3/8 (L160)

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





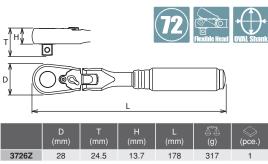


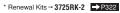
2726Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## 3726ZS

Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)









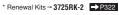
3726Z

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
3726Z-280	28	24.5	13.7	280	420	1



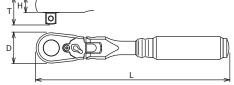
3726Z-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible







## 2726ZB-3/8

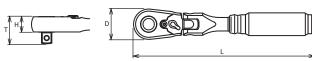
Flexible Ratchet, Reversible with Quick Release Button (Short) Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)





		D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
New	2726ZB-3/8	20.5	20.5	9.5	114	107	1

\* Renewal Kits → 2725BRK-1(3/8) → P322



## 2726ZB-3/8 (L160)

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, Reversible con botón de extracción rápida





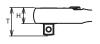


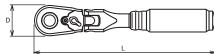
	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
New 2726ZB-3/8 (L160)	20.5	20.5	9.5	160	130	1

\* Renewal Kits → 2725BRK-1(3/8) → P322



2726ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury





## 3726ZSB

3726ZB

Flexible Ratchet. Reversible with Quick Release Button (Short) Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)

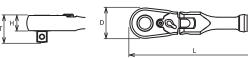


Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, Reversible con botón de extracción rápida



	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
New 3726ZSB	28	24.5	13.7	120	196	1

\* Renewal Kits → 3725BRK-1 → P322





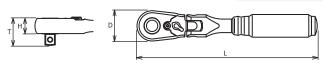












	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
New 3726ZB	28	24.5	13.7	178	317	1
* Renewal Kits	s <b>→ 3725BRK</b>	-1 →P322				

## 3726ZB-280

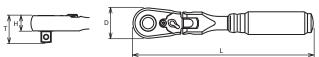
Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, Reversible con botón de extracción rápida



<b>(72</b> )	Flevible Head	NVAI Shank	







	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
New 3726ZB-280	28	24.5	13.7	280	420	1

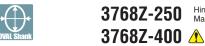
\* Renewal Kits → 3725BRK-1 → P322



3726ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

RENEWAL KIT FOR HINGE HANDLE





Hinge Handle Mango Articulado

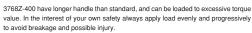


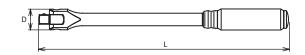
3768Z	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
250	20.5	250	309	5
400	20 E	400	E00	2

\* Renewal Kits → 3768ZRK → P323

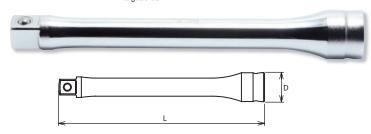
D (mm)

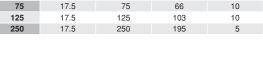
3760Z





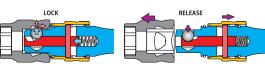
Extension Bars Alargaderas 3760Z





₫7 (g)

(g)



	3760LZ	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
New	75	17.5	16.5	75	75	10
New	125	17.5	16.5	125	105	10
New	250	17.5	16.5	250	185	5

42.5

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.





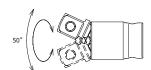


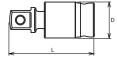
Universal Joint 3771Z Articulación Universal



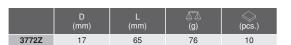
Universal Double Joint

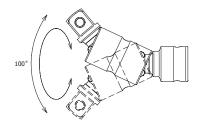
Articulación Universal

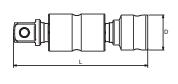




3772Z









Quick Spinner Disco de Giro Rápido 3756Z







	D (mm)	L (mm)	₫₫ (g)	(pcs.)
3756Z	28	25	40	10

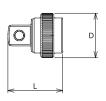
Outside diameter is smaller compared to standard 3756. Ideal for working in combination with 3725Z



Quick Spinner Disco de Giro Rápido 3756ZS







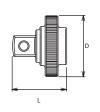
	D (mm)	L (mm)	ДĨД (g)	(pcs.)
3756ZS	20.3	25	26	10

Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

3756Z-1/2 Quick Spinner, Adaptor

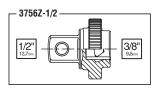






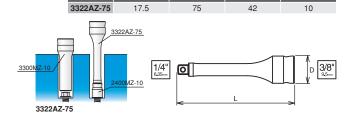
	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
3756Z-1/2	28	29	52	10

₫₫ (g)



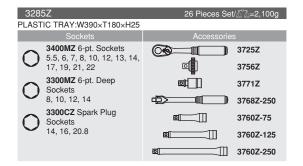
Extension Adaptor Adaptador Alargadera 3322AZ-75

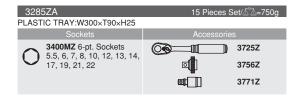


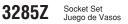














Socket Set 3285ZA Juego de Vasos



#### 3286Z BLACK METAL CASE:W415×H120×T50mm **3400MZ** 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 3725Z 3756Z 3771Z 3768Z-250 0 3760Z-75 3760Z-125 3760Z-250

3285ZE	9 Pieces Set/△◯□=600g
Rail 200mm/PLASTIC BAG Sockets	Accessories
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	3725Z
0, 10, 12, 13, 14, 17, 13	₫ <b>1</b> 3756Z

#### Socket Set Juego de Vasos 3286Z





4400MZ O 6-point Sockets Vasos Hexagonales





D1 _	D	2
	H ←→ L	

4400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
8	12.9	20.6	4.5	26	30	10
10	15	20.6	4.5	26	31	10
12	17	20.6	5.5	27	32	10
13	18.3	21.5	6.5	28	40	10
14	19.5	21.5	6.5	28	40	10
16	22	21.5	7.5	29	43	10
17	23	22.5	7.5	29	49	10
18	24.1	23.7	7.5	29	56	10
19	25.3	24.4	9.5	29	62	10
21	27.6	26.3	10.5	29	76	10
22	28.8	27.5	11	29	83	10
24	31.1	29.2	12	29	96	5
27	34.6	32.2	13.5	30	124	5
30	38.1	35.2	14.5	31	156	5
32	40.4	36.8	15.5	32	178	5

RS4400MZ/10



Socket Set on Rail
Juego de Vasos en Regleta

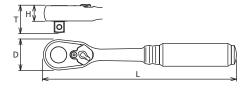


RS4400MZ/10 10	0 Pieces Set/Rail 300mm	₫Д (g)
10, 12, 13, 14, 17, 19, 2	21, 22, 24, 27	830

4725Z

Reversible Ratchet Llave de Carraca Reversible





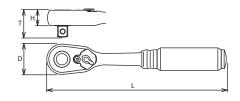


		D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
1	4725Z	36.5	32.8	18.2	253	595	1

\* Renewal Kits → 4725RK-2 → P322

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida 4725ZB





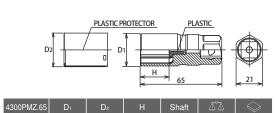




		D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
New	4725ZB	36.5	32.8	18.2	253	595	1

\* Renewal Kits → 4725BRK-1 → P322





	4300PMZ.65 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	Shaft Colour	ДД (g)	(pcs.)
	17	23.7	25.2	21		135	10
	19	25.7	27.2	23		150	10
	21	27.5	29	25		155	10
New	22	29	30.5	26		165	10

Please note that thin walled design is only for wheel nut work and Torque rating is limited.



4300PMZ-65 Wheel Nut Sockets Vasos para Ruedas

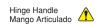








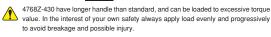
4768Z-430

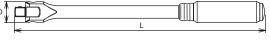




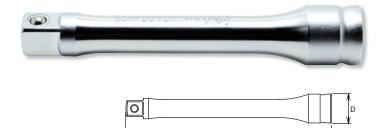
	D (mm)	L (mm)	₫Д (g)	(pcs.)
4768Z-430	28	430	720	2

\* Renewal Kits → 4768ZRK → P323





Extension Bars Alargaderas 4760Z



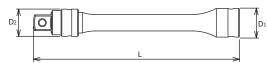
4760Z	D (mm)	L (mm)	₫Ъ (g)	(pcs.)
125	23	125	180	5
250	23	250	340	5

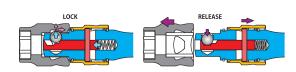
4760LZ

Locking Extension Bars Alargadera con Bloqueo









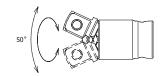
	4760LZ	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
New	125	23	20.5	125	186	5
New	250	23	20.5	250	346	5

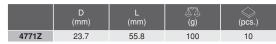
You may not hold the sliding part while moving to avoid heating up by friction and You may riot note reduction by wear.

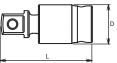
Universal Joint Articulación Universal 4771Z

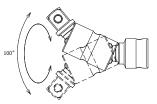










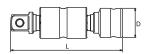


		D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
ĺ	4772Z	23.7	87.2	170	5

4772Z

Universal Double Joint Articulación Universal



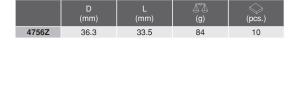


4756Z

Quick Spinner
Disco de Giro Rápido





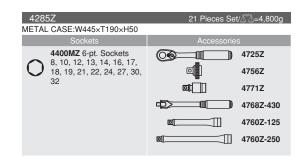




4285Z Socket Set Juego de Vasos



1/2"





4285ZE	11 Pieces Set/474=1,380g
Rail 300mm/PLASTIC BAG	
Sockets	Accessories
4400MZ 6-pt. Sockets 10, 12, 13, 14, 17, 19, 21,22, 24	4725Z





1/4×12	1/4	200	12	125	
3/8×8	3/8"	200	8	130	1
RSAL300	Ø	RAIL (mm)	CLIP (pcs.)	₫Д (g)	(pce.)
3/8×12	3/8"	300	12	180	1
1/2×10	1/2"	300	10	190	1

RAIL (mm)





#### RAIL

	RAIL (mm)	₫Д (g)	(pce.)
RSAL-200	200	110	1
RSAL-300	300	145	1
RSAL-400	400	210	1

#### CLIP

CLIP									
CLIP.P/5	Ø	ДД (g)	(pcs.)						
1/4	1/4"	10	5						
3/8	3/8"	13	5						
1/2	1/2"	20	5						



									s	quare Dr	ive						
Hand	Socke	ets	1/4"(6 No.	.35mm)SQ	l. Page	3/8"(9	.5mm)SQ.	Page	1/2"(1 No.	2.7mm)SG	<b>).</b> Page	3/4' No.	"(19mm)SQ	• Page	1"(25	i.4mm)SQ	<b>).</b> Page
	0	6-point	2400M 2400A 2400W	mm inch BA	48 48 49	3400M 3400A 3400W	mm inch BSW	69 69 70	4400M 4400A 4400W	mm inch BSW	104 105 105	6400M 6400A	mm inch	134 134	8400M 8400A	mm inch	142 142
	0	12-point	2405M 2405A AS2405A	mm inch inch	48 48 48	3405M 3405A 3405W	mm inch BSW	69 69 70	4405M 4405A 4405W	mm inch BSW	104 105 105	6405M 6405A	mm inch	134 134	8405M 8405A	mm inch	142 142
	0	Surface	2410M	mm	49	3410M	mm	70	4410M	mm	106						
	0	NUT GRIP®	2450MS 2450AS	mm inch	50 50	3450M 3450A 3450MH	mm inch mm	72 72 72	4450M	mm	107						
-	0	NUT GRIP® (3-ball)	2455AS	inch	50	0.100											
Standard Sockets	0	TORX® (E)	2425	TORX®	51	3425	TORX®	71	4425 4425-N	TORX® TORX®	106 106	6425	TORX®	134			
	O	TORX®(E) (NUT GRIP®)				3425(2B)	TORX®	72									
	Ŏ	TORXplus® (EP) TORXplus®							4425-EPL	TORXplus®							
	$\bigcirc$	(EPR)							4425-EPRL								
	$\mathcal{C}$	LH-S	2415M	mm	49	3400LH 3415M	LH-STIX®	71 71	4400LH	LH-STIX®	107						
	$\sim$	Double Square	2415A	inch	49	3415A 3300X	inch	71 73									
1	$\sim$	6-point 12-point	2300X	mm	51	3300XA 3305X	inch mm	73 73									
Semi Deep Sockets	$\sim$	NUT GRIP®	2350X	mm	51	3305XA 3350X	inch	73 73									
	$\tilde{\cap}$	6-point	2300M 2300A	mm inch	52 52	3300M 3300A	mm inch	74 74	4300M	mm	108	6300M	mm	135			
		о роше	2300W 2305M	BA mm	53 52	3300W 3305M	BSW	75 74	4300A	inch	108	6300A	inch	135			
	0	12-point	2305A AS2305A	inch inch	52 52	3305A 3305W	inch BSW	74 75	4305M 4305A	mm inch	108 108	6305M 6305A	mm inch	135 135			
Deep Sockets	Ŏ	Surface	2310M	mm	53	3310M	mm	75	4310M	mm	109						
	Ŏ	NUT GRIP®	2350M	mm	53	3350M	mm	76									
	ý	TORX® (E)	2325	TORX®	53	3325	TORX®	76	4325	TORX®	109						
	$\stackrel{\sim}{\circ}$	Flare Nut				3300FN	mm	76									
	$\mathcal{O}$	6-point				3300M(L120		77	4300M(L120	<b>0)</b> mm	108						
-	$\mathcal{L}$	12-point				3305M(L120 3350M(L120		77 77									
Extra Deep Sockets	X	NUT GRIP® TORX®				3350A(L120	) inch	77	4325(L140)	TORX®	109						
		(E) TORX®(E)							4325(L140)-2		109						
Estancian Contrato	Ŏ	(NUT GRIP®) 12-point				3117M	mm	80	4117M	mm	111						
Extension Sockets	$\tilde{\cap}$	6-point	2440M 2440A	mm	54 54	3440M 3440A	mm inch	78 78	4440M 4440A	mm	110 110						
(K)	$\tilde{\bigcirc}$	12 <del>-</del> point	2445M 2445A	mm inch	54 54	3445M 3445A	mm inch	78 78	4445M	mm	110						
Universal Sockets		NUT GRIP®	AS2445A 2441M	inch mm	54 54	3445W 3441M	BSW mm	78 79	4445A	inch	110						
_	X	TORX®	2440T	TORX®	54	3440T	TORX®	78	4440T	TORX®	110						
Universal Deep Sockets	ŏ	(E) 6-point				3340M	mm	79									
Shiversur Deep Sockets	<b>(+)</b>	PH	2000	PH	55	3000	PH	80	4000	PH	111						
	*	PZ	2000(PZ)	PZ	55	3000(PZ)	PZ	80	4000(PZ)	PZ	111						
	$\Theta$	Slotted	2005	Slotted	55	3005	Slotted	80	4005	Slotted	111						
		Hexagon	2010M 2010A	mm inch	56 56	3010M 3010A 3012M 3012A	mm inch mm inch	81 81 82 82	4010M 4010A 4012M 4012A	mm inch mm inch	112 112 116 117	6012M	mm	135	8012M	mm	143
		Hexagon (Grip Ring)				3015M	mm	83									
Bit Sockets		Hexagon (Ba <b>ll</b> Point)	2011M	mm	56	3011M	mm	83									
		XZN (Triple Square)	2020	XZN	56	3020	XZN	84	4020	XZN	113						
		TORX® (T)	2025(T)	TORX®	57	3025(T)	TORX®	85	4025(T)	TORX®	114						
		TORX® (TH)	2025(TH)	TORX®	57	3025(TH)	TORX®	86									
		TORXplus® (IP) TORXplus®	2025(IP)	TORXplus®	58	3025(IP)	TORXplus®	87	4025(IP)	TORXplus®	115						
	(Q)	(IPR)	2025(IPR)	TORXplus®	58	3025(IPR)	TORXplus®	87	405-	D:: -:							
		Ribe CV	24225			3027	Ribe CV	84	4027	Ribe CV	115						
Universal Bit Sockets		Hexagon TORX®	2430M 2430T	mm TORX®	55 55	3430M	mm	79									
Universal Dit Sockets		(T)	24301	IUKX®	99	1									I		

					Square Drive						
Handles/Acces	sories	1/4"(6.35mm)\$		3/8"(9.5mm)S		1/2"(12.7mm)		3/4"(19mm)SQ.		1"(25.4mm)SQ	
	Standard	No. 2753 series 2752 series	59-60 60	No. 3749N 3753 series 3752 series	88 90-91 89	No. 4749N-250 4753 series 4750 series 4752 series	Page 118 120-121 119 120	No. 6749 6752	136 136	No. 8749	Page 144
	Short	2753PS series	59	3749S series	88						
Ratchet Handles	Long	2753P-160	59	3753P-250	90	4749-380 series 4753P-410	118 120	6749-1000	136	8749-1000	144
	Compact			2749-3/8 series	88	3749S-1/2 series	118				
	Others			3753SM series 3757	90-91 95						
	Standard	2774 series	61	3774 series	92-94	4774 series	122-123				
	Short	2774PS 2774JS	60 60	3774PS	92						
·	Long					4774P-450	122				
Flexible Ratchet Handles	Compact			2774-3/8 series	92						
	Swivel Head			3776 series	89						
	Speeder			3774P-SR	93						
	Standard	2768 series	62	3768-250 series	97	4768-380 series	124	6768	138	8768	144
-	Short			3768N-175	97	4768N-300	124				
Hinge Handles	Long			3768N-300	97	4768-450 series	124	6768-600	138	8768-1000	144
	Extra Long			3768P-380	97	4768-600 series	124	6768-1000	138		
4	Standard	2785 series	64	3785	99	4785	127	6785	138	8785	144
T-type Slide Handles	Long									8785-700	144
	Standard	2769N	63	3769N	98						
Spin Type Handles	Wobble-Fix	2769NWF	63	3769NWF	98						
	Others	2769F 2769H	63 63	3769H	98						
L-handles						4788 4747	127 127	6788	138	8788	144
	Standard	2780	64	3780	99	4780-400	126				
Speed Handles	Flexible					4781N-450	125				
	Standard	2760	62	3760	96	4760	126	6760	137	8760	143
Extension Bars	Wobble-Fix	2763	62	3763	96	4763	126				
	Flexible	2762	61	3762	95						
Unive	rsa <b>l</b> Joints	2770 2771	64 64	3770 3771	98 98	4770 4771	125 125	6770	139	8770	143
Adapt	ors	2233A	64	3322A 3344A	99 99	4433A 4466A	127 127	6644A 6688A	139 139	8866A	143
Ratch	et Adaptors	2755	61	3755	95	4755	125	6755	137		
<b>Quick</b>	Spinners	2756	61	3756	95	4756	125				

2400M · 2400A O 6-point Sockets Vasos Hexagonales







2400M 2405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	5.5	11.2	2.6	22	7	10
3.5	6.1	11.2	3	22	7	10
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

2400A 2405A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	5.7	11.2	2.7	22	7	10
5/32	6.7	11.2	3.5	22	8	10
3/16	7.8	11.2	5	22	8	10
7/32	8.5	11.2	5.5	22	9	10
1/4	9.6	11.2	5.8	22	9	10
9/32	10.3	11.2	6	22	9	10
5/16	11.2	11.7	6.9	22	11	10
11/32	12.5	11.7	7.3	22	12	10
3/8	13.7	12.5	7.7	22	15	10
7/16	15.5	14.3	9.3	22	18	10
1/2	18	16.4	9.8	22	23	10
9/16	19.3	17.9	11	24	30	10

RS2400M/12	12 Pieces Set/Rail 200mm	Д"Д (g)			
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14					

RS2405M/12	12 Pieces Set/Rail 200mm	Ø∄ (g)
4, 5, 5.5, 6, 7	, 8, 9, 10, 11, 12, 13, 14	200

RS2400A/9	9 Pieces Set/Rail 150mm	₫¼ (g)
3/16, 7/32, 1/4, 9/3	32, 5/16, 11/32, 3/8, 7/16, 1/2	162

RS2405A/9 9 Pieces Set/Rail 150mm	Д́Д (g)
3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2	162

AS2405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	5.1	22	8	10
7/32	8.5	10.9	5.5	22	8	10
1/4	9.4	10.9	5.9	22	8	10
9/32	10.2	10.9	6.1	22	8	10
5/16	11.3	11.7	7.3	22	10	10
11/32	12.5	12	7.5	22	10	10
3/8	13.7	12.9	8.2	22	13	10
7/16	15.6	14.3	9.4	22	17	10
1/2	17.2	16.4	10.3	22	20	10
9/16	18.8	17.9	11	24	27	10
	_					

Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

RSAS2405A/10	10 Pieces Set/Rail 150mm	₫¼ (g)
3/16, 7/32, 1/4, 9/32,	5/16, 11/32, 3/8, 7/16, 1/2, 9/16	160

## 2405M · 2405A







RS2400M/12 O Socket Set on Rail Juego de Vasos en Regleta

RS2405M/12

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RS2400A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS2405A/9

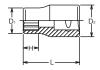


AS2405A



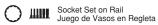








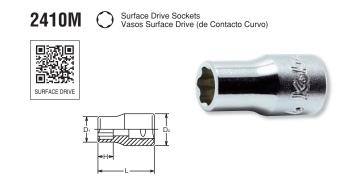






2410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

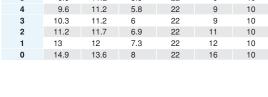
RS2410M/12	12 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)
4, 5, 5.5, 6, 7, 8,	9, 10, 11, 12, 13, 14	222





6-point Sockets Vasos Hexagonales





RS2400W/9-BA	<u> </u>	Socket Set on Rail

Warin

2400W-BA

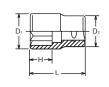




BA												
	1	Е	3A	8BA	7BA	6BA	5BA	4BA	зва	2BA	1BA	0BA
	S	s	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	1	3	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	10.3	11.2	5.4	22	10	10
6	11	11.7	5.4	22	13	10
7	12.5	11.7	6.1	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10
2415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	11	11.7	5.4	22	14	10
5/16	14.3	12.9	6.8	22	17	10
3/8	17.4	16	8.2	22	26	10











R.	D

D <sub>1</sub>		
J		
←H→ ←—L	>	

	2450MS (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
New	5	9.2	11.2	3.5	17	6	10
New	5.5	9.8	11.2	3.5	17	7	10
New	6	10.2	11.2	3.5	17	8	10
	7	11.5	11.2	4	17	8	10
	8	12.3	11.7	5	18	9	10
New	9	13.3	12	5.5	19	12	10
	10	14.3	12.9	6	19	13	10
New	11	15.8	14.3	6.5	20	15	10
	12	16.8	16	7	20	22	10
	13	18	17	8	21	22	10
	14	20	18	8.5	22	31	10

	2450AS (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	1/4	10.7	11.2	3.5	17	8	10
New	5/16	12.3	11.7	5	18	9	10
New	3/8	14.3	12.9	6	19	14	10
New	7/16	16	14.3	6.5	20	17	10
New	1/2	18	16.4	8	21	23	10
New	9/16	20	18	8.5	22	31	10

RS2450MS/6 RS2450MS/11 Socket Set on Rail Juego de Vasos en Regleta



RS2450MS/6	6 Pieces Set/Rail 150mm	(g)	
7, 8, 10, 12, 13, 14			
RS2450MS/11	11 Pieces Set/Rail 200mm	\$\bar{\Pi}\$	

5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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RS2450AS/6

Socket Set on Rail
Juego de Vasos en Regleta



	RS2450AS/6	6 Pieces Set/Rail 150mm	₫¼ (g)
New	1/4, 5/16	, 3/8, 7/16, 1/2, 9/16	120

2455AS



Nut Grip Sockets Nut Grip®
Vasos Sujeta-tuercas Nut Grip®





D <sub>1</sub>	D <sub>2</sub>
	H - L ->

RS2455AS/6



Socket Set on Rail
Juego de Vasos en Regleta



	2455AS (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	7/32	10.2	10.2	3.5	17	8	10
New	1/4	11.8	11.8	3.5	17	9	10
New	9/32	12.5	12.5	4	17	10	10
New	5/16	13.5	13.5	5	18	12	10
New	11/32	14.1	14.1	5.5	19	14	10
New	3/8	15.4	15.4	6	19	16	10
New	7/16	17	17	6.5	20	21	10
New	1/2	18.9	18.9	8	21	26	10
New	9/16	20.7	20.7	8.5	22.5	34	10



	RS2455AS/6	6 Pieces Set/Rail 150mm	₫Д (g)
New	1/4, 5/16, 3/8	, 7/16, 1/2, 9/16	138

E 4     5.4     11.2     4.6     22     7     11       E 5     6.7     11.2     5.2     22     8     11       E 6     7.7     11.2     5.4     22     8     11	s.)
	)
<b>E 6</b> 7.7 11.2 5.4 22 8 1	)
	)
<b>E 7</b> 8.3 11.2 6.6 22 9 10	)
<b>E 8</b> 9.6 11.2 7 22 9 10	)
<b>E10</b> 11.3 12 8.2 22 10 10	)
<b>E11</b> 12.9 12 8.7 22 13 10	)
<b>E12</b> 14.3 12.9 9.3 23 17 1	)

**2425** O TORX® Sockets Vasos TORX®





RS2425/6	6 Pieces Set/Rail 150mm	₫₫ (g)
	E4, E5, E6, E7, E8, E10	85



6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos

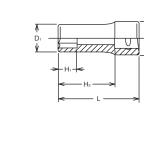




	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
	(ref. mm)																		
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2300X

2300X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
4	6.7	11.2	4	22	32	10	10
5	8	11.2	5.5	22	32	11	10
5.5	8.5	11.2	6	22	32	12	10
6	9.2	11.2	7	22	32	12	10
7	10.5	11.2	8	22	32	13	10
8	11.8	11.2	9	22	32	16	10
9	13	12	10	22	32	18	10
10	14.3	12.9	11	21	32	23	10
11	15.5	14.3	12	21	32	27	10
12	16.8	15.5	13	21	32	29	10
13	18	16.4	14	21	32	32	10
14	19.3	17.9	16	20	32	37	10



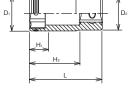


RS2300X/12	12 Pieces Set/Rail 200mm	Д¯Д (g)
4, 5, 5.5, 6, 7,	8, 9, 10, 11, 12, 13, 14	270

RS2300X/12	12 Pieces Set/Rail 200mm	ДД (g)
4, 5, 5.5	5, 6, 7, 8, 9, 10, 11, 12, 13, 14	270

			RS2300X/12	0	ШШ	Socket S	Set on F	lail en Regi	leta
S2300X/12	12 Pieces Set/Rail 200mm	Д¯Д (g)		_			_	_	
4, 5, 5.5, 6, 7	, 8, 9, 10, 11, 12, 13, 14	270							

	2350X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Ø∄ (g)	(pcs.)
	8	12.3	11.2	5	21.5	32	17	10
	10	14.3	12.9	6	21.5	32	22	10
	12	16.8	16	7	21.5	32	34	10
New	13	18	17	8	21.5	32	40	10
	14	20	18	8.5	21.5	32	43	10



RS2350X/4 🔾 📖

2350X



NUT GRIP®





Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos

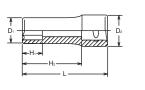


8, 10, 12, 14

RS2350X/4

SLEEVE-DRIVE IMPACT SCREWDRIVERS ACCESSORIES TITANIUM HAND HAND DE IMPACTO DESTORNILLADORES ACCESORIOS DE TITANIOM MANUALES

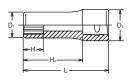




2300M 2305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2305M • 2305A 12-point Deep Sockets Vasos Bihexagonales Largos





1/8

5/32

3/16

7/32

1/4

9/32

5/16

11/32

3/8

7/16

1/2

9/16

RS2300M/12

RS2305M/12

RS2300A/9

5.7

6.7

7.8

8.5

9.8

10.5

11.8

12.5

13.7

15.5

19.3

18

11.2

112

11.2

11.2

11.2

112

11.2

11.7

12.5

14.3

16.4

17.9

3.5

5.5

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14

16

4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

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12 Pieces Set/Rail 200mm

9 Pieces Set/Rail 150mm

9 Pieces Set/Rail 150mm

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RS2300M/12 Socket Set on Rail Juego de Vasos en Regleta



Socket Set on Rail Juego de Vasos en Regleta RS2300A/9 RS2305A/9



12-point Deep Sockets, AS954 Vasos Bihexagonales Largos, AS954 AS2305A





D. D.
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RSAS2305A/10	0	ШШ	Socket Set on Rail Juego de Vasos en Regleta			
				10		

AS2305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
3/16	7.7	10.9	6	40	50	17	10
7/32	8.5	10.9	6.5	40	50	17	10
1/4	9.4	10.9	7	40	50	19	10
9/32	10.2	10.9	8	40	50	18	10
5/16	11.3	11.7	9	40	50	23	10
11/32	12.5	12	10	40	50	24	10
3/8	13.7	12.8	11	39	50	31	10
7/16	15.6	14.2	12	39	50	38	10
1/2	17.2	16.2	14	39	50	42	10
9/16	18.8	17.1	16	38	50	47	10

Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

RSAS2305A/10	10 Pieces set/Rail 150mm	(g) TD
3/16, 7/32, 1/4, 9/32, 5/16,	11/32, 3/8, 7/16, 1/2, 9/16	307

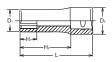
2310M (mm) (g) 5.5 11.2 6.7 11.2 4.5 7.3 11.2 4.5 11.2 5.5 5.5 8.5 11.2 9.2 11.2 11.2 10.5 11.8 11.2 14.3 12.9 15.5 14.3 16.8 15.5 16.4 19.3 17.9 

RS2310M/12	12 Pieces set/Rail 200mm	Д¯Д (g)
4, 5, 5.5, 6, 7,	8, 9, 10, 11, 12, 13, 14	400



2310M O Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos





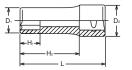
Socket Set on Rail
Juego de Vasos en Regleta RS2310M/12



## 

## 2300W-BA

6-point Deep Sockets Vasos Hexagonales Largos







9.8

10.5

11.8

14.9

11.2

11.2

11.2

13.6

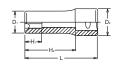
2300W (BA)

	BA	8BA	7BA	6BA	5BA	4BA	3ВА	2BA	1BA	0BA
	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
3	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

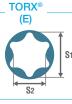
2325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10



TORX® Deep Sockets Vasos TORX® Largos





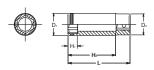


		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
		(ref. mm)																		
'	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

	2350M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
	8	12.3	11.2	5	39.5	50	30	10
	10	14.3	12.9	6	39.5	50	35	10
	12	16.8	16	7	39.5	50	55	10
New	13	18	17	8	39.5	50	65	10
	14	20	18	8.5	39.5	50	70	10
New	-							

## 2350M









RS2350M/4	4 Pieces Set/Rail 150mm	Ø⊅ (g)
	8, 10, 12, 14	220



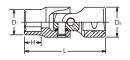






2440M • 2440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal

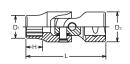






2445M • 2445A O 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





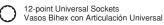
RS2445A/9



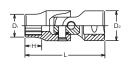
Socket Set on Rail
Juego de Vasos en Regleta



AS2445A ()





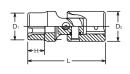


2440T



TORX® Universal Sockets Vasos TORX® con Aritculación Universal



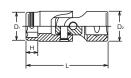


2441M



Nut Grip Universal Sockets **Nut Grip**® Vasos Sujeta-Tuercas con Articulación Universal







RS2441M/11

Socket Set on Rail
Juego de Vasos en Regleta



2440M 2445M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10
12	16.7	13	10	37	21	10
13	18	13	10.5	37	26	10
14	19.2	13	10.5	37	28	10

2440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

RS2445A/9	9 Pieces set/Rail 150mm	Ø∑ (g)
3/16, 1/4, 9/32, 5/16	5, 11/32, 3/8, 7/16, 1/2, 9/16	220

AS2445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

2440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

	2441M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	5	9.2	13	3.5	31.5	20	10
New	5.5	9.8	13	3.5	31.5	20	10
New	6	10.2	13	3.5	31.5	20	10
	7	11.3	13	4	31.5	20	10
	8	12.3	13	5	32	20	10
	10	14.5	13	6	32.5	21	10
New	11	15.5	13	6.5	33.5	21	10
	12	16.8	13	7	34	24	10
	13	18	13	8	35	25	10
	14	20	13	8.5	35.5	30	10
New	15	21	13	9	36	32	10

	RS2441M/11	11 Pieces Set/Rail 200mm	Ø∄ (g)
New	5, 5.5, 6, 7, 8, 10,	11, 12, 13, 14, 15	280

2430M (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10

40

21

10

7.5

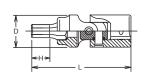
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2430M



Universal Inhex Sockets Vasos Hexagonales con Articulación Universal



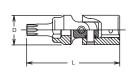


2430T (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

2430T



TORX® Universal Sockets Vasos TORX® con Articulación Universal



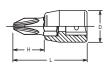


2000.28 (PH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

2000-28 (PH)



PH Bit Sockets Vasos con Punta PH



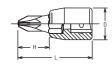


2000.28 (PZ)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

2000-28 (PZ)



PZ Bit Sockets Vasos con Punta PZ



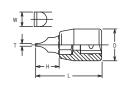


3 0.5× 3 11.9 25 9 10 4 0.8× 4 11.9 9 25 10 10 5 1.0× 5.5 11.9 25 10 10 9 6 1.2× 6.5 13.1 9 25 11 10 8 1.2× 8 13.1 9 25 12 10 9 1.6× 8 13.1 9 25 12 10 10 1.6×10 14.3 9 25 13 10

2005-25



Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada





2010M-25 · -100 Inhex Bit Sockets Vasos con Punta Hexagonal 2010A-25 · -100







2010A.25 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	11.9	9	25	9	10
5/32	11.9	9	25	9	10
3/16	11.9	9	25	10	10
7/32	11.9	9	25	11	10
1/4	11.9	9	25	12	10
9/32	13.1	8	25	12	10
5/16	13.1	8	25	14	10
3/8	14.3	8	25	17	10

	2010A.100 (inch)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	1/8	11.9	84	100	29	10
New	5/32	11.9	84	100	30	10
New	3/16	13.1	83	100	45	10
New	7/32	13.1	83	100	46	10
New	1/4	13.1	83	100	46	10
New	9/32	13.1	83	100	47	10
New	5/16	13.1	83	100	49	10
New	3/8	14.3	83	100	75	10

2010M.25 (mm)	D (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
1.5	11.9	9	25	9	10
2	11.9	9	25	9	10
2.5	11.9	9	25	9	10
3	11.9	9	25	9	10
4	11.9	9	25	9	10
5	11.9	9	25	10	10
6	11.9	9	25	12	10
7	13.1	8	25	12	10
8	13.1	8	25	14	10
10	14.3	8	25	17	10
12	16.4	8	25	36	10
				-2-	

2010M.100 (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10
12	16.4	83	100	107	10

RS2010M/7-L25 RS2010A/8-L25

Socket Set on Rail
Juego de Vasos en Regleta



RS2010M/7-L25	7 Pieces set/Rail 150mm	(g)			
3, 4, 5, 6, 7, 8, 10					
RS2010A/8-L25	8 Pieces set/Rail 150mm	(g)			
1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8					

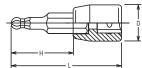
2011M-50 •



Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex





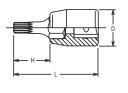


2011M.50 (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	6 11.9		50	18	10

Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

2020-28 · -50	XZN Bit Sockets
LULU LU UU	vasos con Punta XZI





2020 (XZ		D (mm)	H (mm)	L (mm)	<b>₽</b> ₽ (g)	(pcs.)
M	4	11.9	12	28	12	10
M:	5	11.9	12	28	12	10
Me	6	11.9	12	28	13	10
M	В	13.1	11	28	14	10
					-0-	$\hat{}$
2020 (XZ		D (mm)	H (mm)	L (mm)	<i>₫₫</i> (g)	(pcs.)

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20

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22

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10

10

34

34

M4

M5

M6

M8

11.9

11.9

11.9

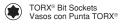
13.1

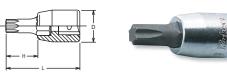
- XZN											
A											
	XZ	:N	M4	M5	M6	M8	M10	M12	M14	M16	M18
S1	S <sub>1</sub>	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
	S <sub>2</sub>	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2
S2											

2025.28 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

2025.80 (T)	D (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)
T10	11.9	64	80	40	10
T15	11.9	64	80	40	10
T20	11.9	64	80	42	10
T25	11.9	64	80	42	10
T27	11.9	64	80	45	10
T30	11.9	64	80	45	10
T40	11.9	64	80	50	10

## 2025-28 · -80 (T)

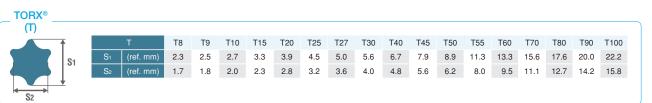






RS2025/7-L28	7 Pieces set/Rail 150mm	Д¯Д (g)
T10, T15, T20,	T25, T27, T30, T40	119





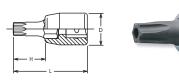
2025.28 (TH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10H	11.9	12	28	10	10
T15H	11.9	12	28	10	10
T20H	11.9	12	28	11	10
T25H	11.9	12	28	11	10
T27H	11.9	12	28	12	10
T30H	11.9	12	28	12	10
T40H	11.9	12	28	13	10

2025-28 (TH)



Tamper-Resistant TORX® Bit Sockets Vasos con Punta TORX® Indeformable





RS2025/7-HOLE	7 Pieces set/Rail 150mm	₫∄ (g)
T10H, T15H, T20H, T2	5H, T27H, T30H, T40H	119







Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.

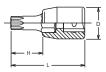
2025-28 (IP) •



TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®







2025.28 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10



RS2025/7-IP Socket Set on Rail Juego de Vasos en Regleta



RS2025/7-IP	7 Pieces set/Rail 150mm	₫₫ (g)
10IP, 15IP, 20IP, 2	5IP, 27IP, 30IP, 40IP	119

**TORXPLUS®** (IP)

( )			
1		IP	
	S1	S <sub>1</sub>	(ref. r
	1	S <sub>2</sub>	(ref. r
S2	<u>*</u>		

IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub> (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub> (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

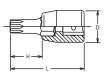
2025-28 (IPR)



Tamper-Resistant TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS® Indeformable

TORXALIOS®





2025.28 (IPR)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8IPR	11.9	12	28	10	10
9IPR	11.9	12	28	10	10
10IPR	11.9	12	28	10	10
15IPR	11.9	12	28	10	10
20IPR	11.9	12	28	11	10
25IPR	11.9	12	28	11	10
27IPR	11.9	12	28	12	10
30IPR	11.9	12	28	12	10
40IPR	13.1	12	28	13	10

RS2025/7-IPR Socket Set on Rail Juego de Vasos en Regleta





RS2025/7-IPR	7 Pieces set/Rail 150mm	₫Д (g)
10IPR, 15IPR, 20IPR, 25IPF	R, 27IPR, 30IPR, 40IPR	119

## TORXPLUS®



IPF	3	8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S <sub>1</sub>	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S <sub>2</sub>	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7





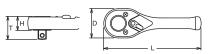


















\* Renewal Kits → 2753RK → P320

2753N

Reversible Ratchet Llave de Carraca Reversible







Renewal Kits → 2753RK → P320

2753P

Reversible Ratchet Llave de Carraca Reversible









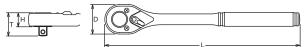
\* Renewal Kits → 2753RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2753N	22	18.7	11.4	115	90	1
2753P	22	18.7	11.4	115	87	1
2753J	22	18.7	11.4	115	77	1

2753J

Reversible Ratchet Llave de Carraca Reversible











Renewal Kits → 2753RK → P320

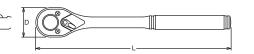
2753P-160

Reversible Ratchet Long
Llave de Carraca Reversible Larga











2753P-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida 2753NB





Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida



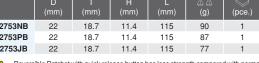


Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida 2753JB





	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2753NB	22	18.7	11.4	115	90	1
2753PB	22	18.7	11.4	115	87	1
2753JB	22	18.7	11.4	115	77	1



Reversible Ratchet with quick release button has less strength compared with normal Reversible Ratchet with quick release outcomes and the fatchet with quick release outcomes and ratchet due to the technical design. Make sure to use the ratchet correctly.

Reversible Ratchet Llave de Carraca Reversible 2752N



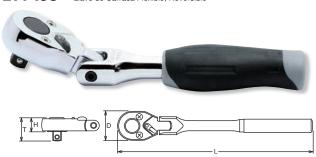
D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)

**2752N** 26.5 19.8 12.5 125 95

Flexible Ratchet, Reversible 2774PS Llave de Carraca Flexible, Reversible



Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible **2774JS** 





\* Renewal Kits → 2752RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
2774PS	22	18.7	11.4	116	110	1
2774JS	22	18.7	11.4	116	113	1



Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible









2774P

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible









2774J

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





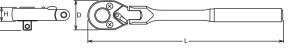




\* Renewal Kits → 2753RK → P320

2774N 22 18.7 11.4 161 130 2774P 22 18.7 11.4 161 126 2774J 22 18.7 11.4 161 130







\* Renewal Kits → 2755RK → P321

2755

Ratchet Adaptor Adaptador de carraca





	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
2755	26	40	80	10

	D (mm)	L (mm)		⟨¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬
	(mm)	(mm)	(g)	(pcs.)
2756	22	20	19	10

2756

Quick Spinner Disco de giro Rápido







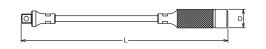


2762

Flexible Extension Bar Alargadera Flexible



	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
2120	14.3	17.5	21	10



2120

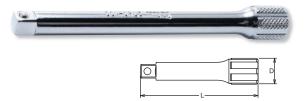








Extension Bars Alargaderas 2760



PK2760/6 Set Juego



Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 2763





PK2763/6



Hinge Handle 2768N Mango Articulado



Hinge Handle Mango Articulado 2768P



Hinge Handle Mango Articulado 2768J



2760	D (mm)	L (mm)	₫∄ (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	35	10
100	12.3	100	44	10
150	12.3	150	63	10
200	12.3	200	83	10
250	12.3	250	103	10
300	12.3	300	122	2
350	12.3	350	145	2
400	12.3	400	160	2
600	12.3	600	240	2

PK2760/6	6 Pieces Set/ὧ∄=430g
PLASTIC TRAY	
Extension Bars	
<b>2760</b> Extension Bars 28, 50, 100, 150, 200, 250	





2763	D (mm)	L (mm)	₫₫ (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	33	10
100	12.3	100	43	10
150	12.3	150	62	10
200	12.3	200	80	10
250	12.3	250	100	10

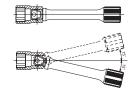
PK2763/6	6 Pieces Set/ὧື =420g
PLASTIC TRAY	
Extension Bars	
<b>2763</b> Wobble-Fix Extension Bar 28, 50, 100, 150, 200, 250	

### Wobble-Fix Extension Bar

Two way usage: One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

#### Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

\* Renewal Kits → 2768RK → P323

\* Renewal Kits → 2768RK → P323

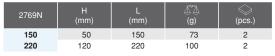
\* Renewal Kits → 2768RK → P323

	D (mm)	L (mm)	₫∄ (g)	(pcs.)
2768N	14	130	86	10
2768P	14	130	70	10
2768J	14	130	73	5

2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador







Plastic or rubber handles are not intended to act as insulation Plastic or rubber nandies are industributed to act to installation.

Los mangos de plástico o de goma no están previstos para aislamiento











2769NWF-150 · -220

Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulados-Fijos



2769NWF	H (mm)	L (mm)	₫¼ (g)	(pcs.)
150	50	150	73	2
220	120	220	100	2

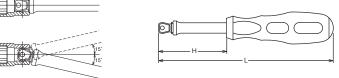


#### Wohble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

#### Alargadera Articulada-Fija

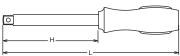
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



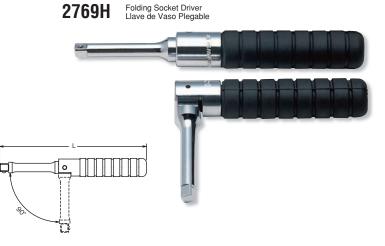
	H (mm)	L (mm)	Д¯Д (g)	
2760E	79	150	90	5

2769F Spin Type Handle Mango Tipo Destornillador





	L (mm)	Ø∄ (g)	(pcs.)
2769H	160	180	5



Universal Joint Articulación Universal 2770



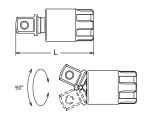




	L (mm)	₫ <u>¯</u> (g)	(pcs.)
2770	33	20	10

Universal Joint Articulación Universal 2771

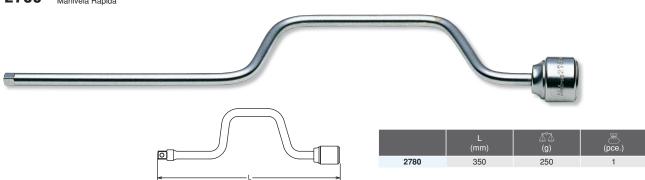




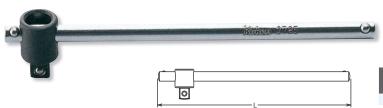
	L (mm)	₫ <u>¯</u> (g)	(pcs.)
2771	31	20	10
回数数回			







T-Handle Mango Corredizo 2785



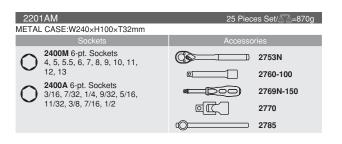
	L (mm)	∆ A (g)	(pcs.)
2785	115	36	10

Adaptor Adaptador 2233A





	凹 (sq.)	凸 (sq.)	L (mm)	₫Ъ (g)	(pcs.)
2233A	1/4"	3/8"	22	16	10



#### Socket Set Juego de Vasos 2201AM



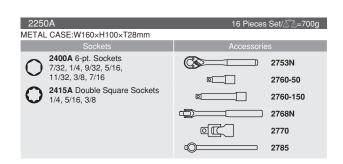
Socket Set

## 2203M · 2203A



#### 2203M METAL CASE:W160×H100×T28mm **2400M** 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8 9, 10, 11, 13 2769H 2203A 10 Pieces Set/\$\tilde{\Pi}\$=550g METAL CASE:W160×H100×T28mm 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2

#### 2250M 16 Pieces Set/△□=700g METAL CASE:W160×H100×T28mm **2400M** 6-pt. Sockets 5, 6, 7, 8, 9, 10, 11, 12 2753N 2415M Double Square Sockets 8, 10 2760-50 2760-150 = $\square$ 2768N 2770 2785



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• 0

2769F

101A

2137

METAL CASE:W160×H100×T28mm

**101P** PH Bits 1, 2, 3

101H Hex Bits

3, 4, 5

101S Slotted Bits 1×7, 1.2×7

#### Socket Set Juego de Vasos 2250M · 2250A



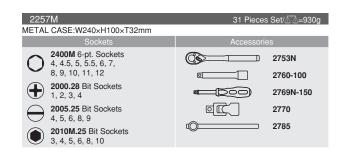
# 102NA-1/4×5/16

2254M Bit Set Juego de Puntas



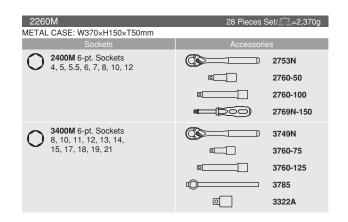
2257M Socket Set Juego de Vasos





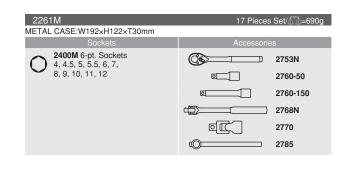
2260M Socket Set Juego de Vasos





2261M Socket Set Juego de Vasos





2262M Socket Set Juego de Vasos



2262M	13 Pieces Set/△□ =470g
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7,	2760-50
8, 9, 10, 11, 12	2768N

2275 Sockets Set Juego de Vasos



2276

METAL CASE:W192×H122×T30mm

Bits

Accessories

108P PH Bits
1, 2, 3

108S Slotted Bits
4, 5, 6

108H Hex Bits
3, 4, 5, 6

108T TORX® Bits
T10, T15, T20, T25, T27, T30

2276 Sockets Set with Bits and Accessories Juego de vasos con Puntas y Accesorios



2277

21 Pieces Set/ = 1,240g

METAL CASE:W310×H90×T48mm

Sockets

2400M 6-pt. Sockets
5.5, 6, 7, 8, 9, 10, 11, 12, 13

2300M 6-pt. Deep Sockets
5.5, 6, 7, 8, 9, 10, 11, 12, 13

2763-75

2769N-150

Sockets Set Juego de Vasos



2277A-12P

METAL CASE:W310×H90×T48mm

Sockets

2405A 12-pt. Sockets

7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16

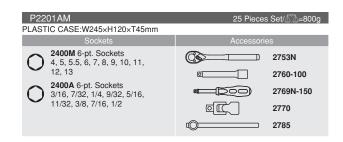
2305A 12-pt. Deep Sockets
7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16

2277A-12P Sockets Set Juego de Vasos



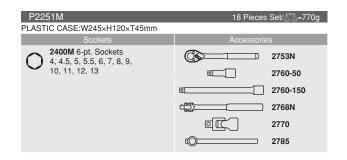
P2201AM Sockets Set Juego de Vasos





P2251M Sockets Set Juego de Vasos



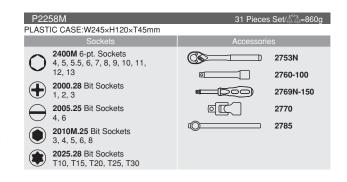


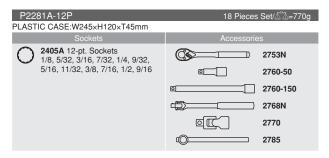
P2258M Sockets Set Juego de Vasos



P2281A-12P Sockets Set Juego de Vasos









3400M 3405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10
25	33.3	29.5	16.5	34	115	5
26	34.5	30.5	17	35	129	5

3400A 3405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
9/32	10.8	17.3	6.5	26	20	10
5/16	12	17.3	7	26	22	10
11/32	13.3	17.3	7.5	26	23	10
3/8	13.9	17.3	8	26	23	10
13/32	13.3	17.3	7.5	26	23	10
7/16	15.8	17.3	8.5	26	25	10
1/2	18	17	9.5	26	24	10
9/16	19.5	18.5	11	27	31	10
19/32	20.8	19.5	11.5	28	39	10
5/8	22	20	12	28	42	10
11/16	24.5	22.5	13	30	51	10
3/4	25.8	23.5	13.5	30	63	10
25/32	27	24.5	14	31	75	10
13/16	28	26	14.5	32	77	10
7/8	29.5	26.5	15	32	82	10
15/16	32	28.5	16	34	102	10
1	34.5	30.5	17	35	132	5

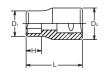
N33400IVI/0	8 Pieces Sel/Raii 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	300
RS3405M/8	8 Pieces Set/Rail 200mm	₫Д (g)
	8, 10, 11, 12, 13, 14, 17, 19	300

RS3400M/12	12 Pieces Set/Rail 300mm	Д¯Д (g)
8, 9, 10, 11, 12, 13,	14, 15, 16, 17, 18, 19	465
RS3405M/12	12 Pieces Set/Rail 300mm	₫∄ (g)
8, 9, 10, 11, 12, 13,	14, 15, 16, 17, 18, 19	465

RS3400A/9	9 Pieces Set/Rail 200mm	Д¯Д (g)
1/4, 5/16, 3/8, 7/16	6, 1/2, 9/16, 5/8, 11/16, 3/4	333
RS3405A/9	9 Pieces Set/Rail 200mm	₫∄ (g)
1/4, 5/16, 3/8, 7/16	6, 1/2, 9/16, 5/8, 11/16, 3/4	333



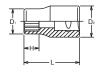






3405M ⋅ 3405A ○







## **FLAT DRIVE®**

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut, The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el pernoltuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

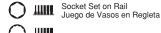
RS3400M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/8



RS3400M/12 RS3405M/12





RS3400A/9		Socket Set on Rail Juego de Vasos en Regleta
RS3405A/9	<u>О</u> ш	Ш

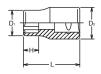


## 3410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)





3410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



RS3410M/12 O Juliu Socket Set on Rail Juego de Vasos en Regleta



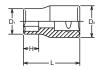
RS3410M/12 12 Pieces Set/Rail 300m	ım (g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	468

## 3400W



6-point Whitworth Sockets Vasos Hexagonales Whitworth



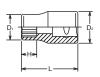


## 3405W



12-point Whitworth Sockets Vasos Bihexagonales Whitworth





#### D2 1/8 13.3 17.3 7.5 26 22 3/16 15.8 17.3 8.5 26 25 1/4 18 17 9.5 26 24 5/16 20.8 19.5 11.5 28 39 3/8 24.5 22.5 13 30 51

14.5

15.5

17

32

33

35

81

103

128

26

27.5

30.5

7/16

1/2

9/16

28

30.8

34.5

10

10

10

10

10

10

10

5

## RS3400W/7 RS3405W/7



Socket Set on Rail Juego de Vasos en Regleta

ШШ

|--|

RS3400W/7	7 Pieces Set/Rail 200mm	₫Д (g)			
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2					
RS3405W/7	7 Pieces Set/Rail 200mm	₫Д (g)			

1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2

BS W	
	S

BS⋅W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

(g)

18

20

21

22

23

24

25

26

27

27

(pcs.)

10

10

10

10

10

10

10

10

10

10

5.5	10.8	17.4	5.5	26	21	10
6	12	17.3	6	26	26	10
7	13.3	17.4	6.5	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10
13	21.9	20	9.5	27	46	10

3415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1/4	12	17.3	6	26	24	10
5/16	14.5	17.3	7	26	26	10
11/32	15.8	17.3	7.5	26	27	10
3/8	16.8	17.3	8	26	27	10
7/16	19.5	18.5	8.5	27	37	10
1/2	22	20	9.5	27	46	10

4.6

5.2

5.4

6.6

8.2

8.7

9.3

10.6

11.8

26

26

26

26

26

26

26

26

26

26

D<sub>2</sub> (mm)

17.3

17.3

17.3

17.3

17.3

17.3

17.3

17.3

17.3

17

5.6

8.3

8.9

9.9

12

13.3

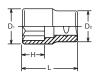
14.5

15.8

18



Double Square Sockets Vasos Octagonales





## 3425



TORX® Sockets Vasos TORX®





RS3425/9	9 Pieces Set/Rail 200mm	₫∄ (g)
F4 F5 F6 F7 F8 F1	0. F12. F14. F16	239





Socket Set on Rail
Juego de Vasos en Regleta





3425 (E)

E 4

E 5

E 6

E 7

E 8

E10

E11

E12

E14

E16



	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

	` ′		` ′	` ′		· · · ·
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
88	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

# 3400LH







RS3400LH/7	7 Pieces Set/Rail 150mm	₫Д (g)
5S, 6S, 8S, 1	0S. 12S. 14S. 16S	315

## RS3400LH/7



Socket Set on Rail
Juego de Vasos en Regleta



## 3450M · 3450A



Nut Grip Sockets **Nut Grip**® Vasos Sujeta-tuercas **Nut Grip**®





1			
D <sub>1</sub> -			D <sub>2</sub>
	<sup>H</sup> ←——	L	



# **NUT GRIP**®

Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

RS3450M/8	0	шш	Socket Set on Rail Juego de Vasos en Regleta
RS3450M/10			



RS3450A/9





Socket Set on Rail
Juego de Vasos en Regleta



3450MH Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®







RS3450MH/6





Socket Set on Rail
Juego de Vasos en Regleta



3425 (2B)



TORX® Sockets Nut Grip® Vasos TORX® Nut Grip®





D <sub>1</sub>	Dz
←H→ ←——L—	•

RS3425/4 (2B)



Socket Set on Rail Juego de Vasos en Regleta



3450M (mm)	D <sub>1</sub> (mm)	D₂ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	17.3	5	26	21	10
10	14.5	17.3	6	26	24	10
11	15.8	17.3	6.5	26	26	10
12	16.8	17.3	7	26	26	10
13	18	17	8	26	28	10
14	19.5	18.5	8.5	27	34	10
15	20.8	19.5	9	27	42	10
16	22	20	9	27	50	10
17	23.3	21.5	9.5	28	62	10
18	24.5	22.5	10.5	29	64	10
19	25.8	23.3	11.5	29	66	10
21	28	26	12	29	85	10
22	29.5	27	12.5	29	90	10
24	32	30	14.5	31	102	10

	3450A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	1/4	10.3	17.4	3.5	26	19	10
New	5/16	12	17.4	5	26	21	10
New	3/8	13.9	17.4	6	26	24	10
New	7/16	15.8	17.4	6.5	26	26	10
New	1/2	18	17	8	26	28	10
New	9/16	19.5	18.5	8.5	27	34	10
New	5/8	22	20	9	27	50	10
New	11/16	24.6	22.5	10.5	29	64	10
New	3/4	26	23.5	11.5	29	66	10

RS3450M/8	8 Pieces Set/Rail 200mm	₫¼ (g)		
8, 10, 11, 12, 13, 14, 17, 19				
RS3450M/10	10 Pieces Set/Rail 250mm	(g)		
10, 11, 12, 13, 14, 15, 17, 19, 21, 22				

	RS3450A/9	9 Pieces Set/Rail 200mm	₫Д (g)
New	1/4, 5/16, 3/8, 7/16	, 1/2, 9/16, 5/8, 11/16, 3/4	360



3450MH (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	5	17	26	30	10
10	14.5	6	17	26	30	10
12	16.8	7	17	26	29	10
13	18	8	17	26	28	10
14	19.5	8.5	17	27	32	10
17	23.3	9.5	17	29	41	10

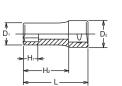
RS3450MH/6	6 Pieces Set/Rail 150mm	₫Д (g)			
8, 10, 12, 13, 14, 17					

3425 (2B)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	12	17.3	8.2	26	23	10
E12	14.5	17.3	9.3	26	25	10
E14	15.8	17.3	10.6	26	26	10
E16	18.1	17	11.8	26	27	10
E18	19.5	18.5	12	32	41	10
E20	21.9	20	14.4	32	52	10

RS3425/4(2B)	4 Pieces Set/Rail 150mm	₫ሽ (g)		
E10, E12, E14, E20				



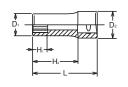
## 





							3305X · 3305XA
00XA 05XA	D <sub>1</sub>	D <sub>2</sub>	Hı	H <sub>2</sub>	L	ŢŢ	

$\bigcirc$	12-point Sockets, Semi-Deep Vasos Bihexagonales, Medianos
$\bigcirc$	Vasos Bihexagonales, Medianos





RS3300	)X/8		8	Pieces S	et/Rail 20	0mm	₫∄ (g)	
3/4	25	23.5	20	24.5	40	75	10	
11/16	24.5	22.5	19	24.5	40	68	10	

14.5

16.8

23.5

24.5

10.3

13.9

1/4 5/16

3/8

7/16

1/2

9/16

5/8

17.3

17.3

17.3

17.2

17.2

17.3

17.3

17.3

17.2

18.5

26.5

26.5

26.5

26.5

26.5

26.5

26.5

25.5

25.5

25.5

24.5

24.5

26.5

26.5

26.5

26.5

26.5

26.5

25.5

	8, 10, 11, 12, 13, 14, 17, 19	405
RS3305X/8	8 Pieces Set/Rail 200mm	₫ <u>`</u> `` (g)
	8, 10, 11, 12, 13, 14, 17, 19	405

RS3300X/8	Socket Set on Rail Juego de Vasos en Regleta
RS3305X/8	l



#### RS3300XA/9 ₫₫ (g) 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 9 Pieces Set/Rail 200mm 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4



	3350X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
	8	12	17.4	5	26.5	40	33	10
	10	14.5	17.4	6	26.5	40	35	10
	12	16.8	17.2	7	26.5	40	40	10
New	13	18	17	8	26.5	40	45	10
	14	19.5	18.5	8.5	26.5	40	48	10







RS3350X/4	4 Pieces Set/Rail 150mm	ДД (g)
	8, 10, 12, 14	165



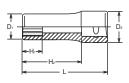
0	6-point Deep Sockets Vasos Hexagonales Largos
$\cup$	Vasos Hexagonales Largos



1			1
<b>V</b>			_ J₂
	<-H₁->	 —H2 <b>——&gt;</b>	
	<	L	

3305M · 3305A 12-point Deep Sockets Vasos Bihexagonales Largos





RS3300M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/8



RS3300M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/12



RS3300A/9

Socket Set on Rail Juego de Vasos en Regleta

RS3305A/9



3300M 3305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫¼ (g)	(pcs.)
5.5	8.9	17.3	6.5	41.5	55	37	10
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	191	10
25	33	30	26	47.5	65	199	10
26	34	31	27	47.5	65	209	10
27	35	32.5	28	47.5	65	218	10

	3300A 3305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
New	3/16	8.3	17.3	6	41.5	55	35	10
	7/32	8.9	17.3	6.5	41.5	55	35	10
	1/4	9.9	17.3	7	41.5	55	37	10
	5/16	12	17.3	9	41.5	55	40	10
	11/32	12.3	17.3	10	41.5	55	41	10
	3/8	14	17.3	11	41.5	55	46	10
	7/16	16	17.2	12	41.5	55	51	10
	1/2	18	17	14	41.5	55	53	10
	9/16	20	18	16	41.5	55	60	10
	19/32	21	20	16	40.5	55	74	10
	5/8	22	20	17	40.5	55	76	10
	11/16	23.5	22	18	40.5	55	93	10
	3/4	25	24	20	39.5	55	98	10
	13/16	27	26	22	49.5	65	126	10
	7/8	29	28	23	48.5	65	163	10
	15/16	31	30	25	47.5	65	191	10

RS3300M/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	540
RS3305M/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	540

RS3300M/12 8, 9, 10, 11, 12, 13	12 Pieces Set/Rail 300mm 3, 14, 15, 16, 17, 18, 19	(g) 878
RS3305M/12	12 Pieces Set/Rail 300mm	Ø∄ (g)
8, 9, 10, 11, 12, 13	3, 14, 15, 16, 17, 18, 19	878

RS3300A/9	9 Pieces Set/Rail 200mm	(g) (\bar{D}
1/4, 5/16, 3/8, 7/1	6, 1/2, 9/16, 5/8, 11/16, 3/4	628
RS3305A/9	9 Pieces Set/Rail 200mm	₫) (g)

Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos

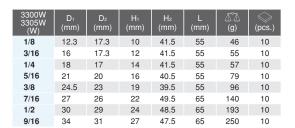


3310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	161	10

1				1
<b>V</b>	,			
	<-H₁-> <	l —H₂ <del>&gt;</del>		
	<	—— L —	>	l

RS3310M/12 1:	2 Pieces Set/Rail 300mm	₫¼ (g)
8, 9, 10, 11, 12, 13, 14, 15	i, 16, 17, 18, 19	881

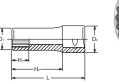
RS3310M/12	0	ШШ	Socket S Juego de		gleta	









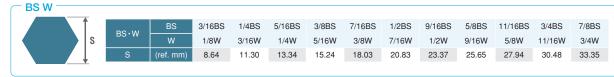




RS3300W/7	7 Pieces Set/Rail 200mm /4, 5/16, 3/8, 7/16, 1/2	ДД (g) 719
RS3305W/7	7 Pieces Set/Rail 200mm	₫₫ (g)
1/8, 3/16, 1	/4, 5/16, 3/8, 7/16, 1/2	719

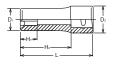






**3325** O TORX® Deep Sockets Vasos TORX® Largos





RS3325/9 Socket Set on Rail Juego de Vasos en Regleta



	3325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
	E 4	5.6	17.3	4.6	41.5	55	29	10
	E 5	6.9	17.3	5.2	41.5	55	31	10
	E 6	7.9	17.3	5.4	41.5	55	33	10
	E 7	8.9	17.3	6.6	41.5	55	36	10
	E 8	9.9	17.3	7	41.5	55	39	10
	E10	11.8	17.3	8.2	41.5	55	43	10
New	E11	13	17.3	8.7	41.5	55	50	10
	E12	14.5	17.2	9.3	41.5	55	53	10
	E14	15.7	17.2	10.6	41.5	55	57	10
	E16	18	17	11.8	41.5	55	69	10

RS3325/9 9 Pi	ieces Set/Rail 200mm	₫¼ (g)
E4, E5, E6, E7, E8, E10, E12	2, E14, E16	420

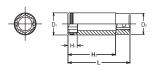


	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

NUT GRIP®

3350M O Nut Grip Deep Sockets Nut Grip® Vasos Sujeta-tuercas Largos Nut Grip®

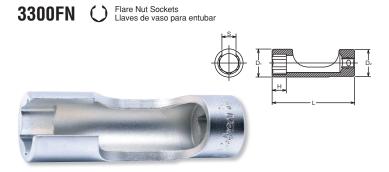




3350M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	17.4	5	41.5	55	50	10
10	14.5	17.4	6	41.5	55	54	10
12	16.8	17.2	7	41.5	55	58	10
13	18	17	8	41.5	55	59	10
14	19.5	18.5	8.5	41.5	55	71	10





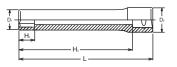


3300FN (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	S (mm)	₫∄ (g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10
17	25	24	12.5	80	13	110	10
18	27	25	13	80	13.5	120	10
19	28	26	14	80	14.5	130	10
22	32	29.5	16	80	16	180	10
24	34.5	31.5	17	80	17	200	10

RS3300FN/6	Socket Set on Rail Juego de Vasos en Regleta
	or Jacobson

RS3300FN/6	6 Pieces Set/Rail 150mm	₫∄ (g)
	8, 10, 12, 14, 17, 19	450

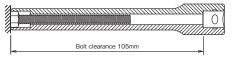
3/8" Hand Sockets



#### 3300M-Size DEEP SOCKET



#### 3300M-Size(L120) EXTRA DEEP SOCKET



3300M(L120) 3305M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.3	9	106.5	120	85	10
10	14.5	17.3	11	106.5	120	110	10
12	16.8	17.2	13	106.5	120	116	10
13	18	17	14	106.5	120	155	5
14	20	18	16	106.5	120	166	5

3300M/4-L120	4 Pieces Set/₷७=477g
PLASTIC BAG	
Sockets	
3300M(L120) 6-point Extra Deep Sockets	3
8, 10, 12, 14	
3305M/4-L120	4 Pieces Set/ὧື≟=477g
	4 Pieces Set/ὧ∄=477g
3305M/4-L120	4 Pieces Set/△─∆=477g

	3350M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
New	8	12	17.3	5	106.5	120	77	10
	10	14.5	17.2	6	106.5	120	110	10
	12	16.8	17.2	7	106.5	120	116	10

	3350A(L120) (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
New	7/16	15.8	17.3	6.5	106.5	120	123	10
New	1/2	18	17	8	106.5	120	142	10
New	9/16	20	18.5	8.5	106.5	120	179	10



3350M/2-L120	2 Pieces Set/ὧ∄=230g
PLASTIC BAG	
Socket	s
3350M(L120) Nut Grip Extra Deep 10, 12	o Sockets

# **3300M (L120)** O 6-point Extra Deep Sockets Vasos Hexagonales Extra-Largos



3305M (L120) 12-point Extra Deep Sockets Vasos Bihexagonales Extra-Largos

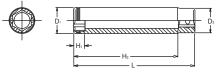




# 3350M (L120) · 3350A (L120)

Extra Deep Sockets Nut Grip® Vasos Extra-Largos Nut Grip®



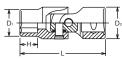


3350M/2-L120 Socket Set Juego de Vasos



**3440M · 3440A** O 6-point Universal Sockets Vasos Hexagonales Universal



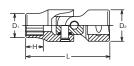


3445M · 3445A 🔘



12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





RS3440M/8 O Socket Set on Rail Juego de Vasos en Regleta



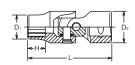
RS3440A/8 



3445W







RS3445W/7



Socket Set on Rail
Juego de Vasos en Regleta

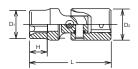


3440T



TORX® Universal Sockets Vasos TORX® con Articulación Universal





RS3440T/8



Socket Set on Rail
Juego de Vasos en Regleta



3440M 3445M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10

3440A 3445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10

RS3440M/8	8 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)
	8, 10, 11, 12, 13, 14, 17, 19	550

RS3440A/8	8 Pieces Set/Rail 200mm	(g)
5/16, 3/8, 7/16, 1/2, 9/16	6, 5/8, 11/16, 3/4	570

3445W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

RS3445W/7	7 Pieces Set/Rail 200mm	₫Д (g)
1/8, 3/16, 1	/4. 5/16. 3/8. 7/16. 1/2	570

3440T (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10

RS3440T/8	8 Pieces Set/Rail 200mm	₫∄ (g)
E6, E8, E10, E12,	E14, E16, E18, E20	594



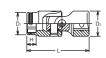
	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (ref. mm)																		
S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

	3441M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
	8	12	19	5	46	57	10
	10	14.5	19	6	46	58	10
New	11	15.8	19	6.5	46.5	61	10
	12	16.8	19	7	47	58	10
	13	18	19	8	48	60	10
	14	19.5	19	8.5	49.5	65	10
New	15	21	19	9	50	69	10
New	16	22	19	9	50	70	10
New	17	23.5	19	9.5	51	73	10
New	18	24.6	19	10.5	51.5	76	10
New	19	26	19	11.5	52.5	80	10



3441M

Nut Grip Universal Sockets **Nut Grip**® Vasos Sujeta-Tuercas con Articulación Universal







RS3441M/5	5 Pieces Set/Rail 150mm	₫Д (g)		
8, 10, 12, 13, 14				
		¥6.4		

	RS3441M/11	11 Pieces Set/Rail 300mm	₫∄ (g)
New	8, 10, 11, 12, 13	, 14, 15, 16, 17, 18, 19	750

3340M.75 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	∆~∆ (g)	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18	24.5	19	19	34	75	119	10
19	25.8	19	20	33	75	123	10

RS3340M/8-L75	8 Pieces Set/Rail 200mm	Д¯Д (g)
8, 10, 11, 12	2, 13, 14, 17, 19	810

3430M (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

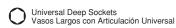
RS3430M/6	6 Pieces Set/Rail 150mm	₫∄ (g)
	5, 6, 7, 8, 10, 12	470

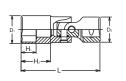
## RS3441M/5 Socket Set on Rail Juego de Vasos en Regleta RS3441M/11





3340M-75







RS3340M/8-L75



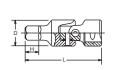
Socket Set on Rail
Juego de Vasos en Regleta



3430M



Universal Inhex Bit Sockets Vasos Inhex con Articulación Universal

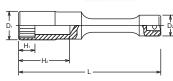






## 3117M-125 · -250 Extension Deep Sockets Vasos con Alargadera





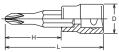
3117M.125 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)
10	14.5	18	10	44	125	121	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1

3117M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)
10	14.5	18	10	44	250	233	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1

## 3000-60 (PH)

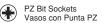




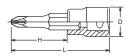


3000 (PH)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

## 3000-50 (PZ)





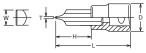


3000.50 (PZ)	D (mm)	H (mm)	L (mm)	∆~∆ (g)	(pcs.)
PZ1	18	23.5	50	50	10
PZ2	18	23.5	50	50	10
PZ3	18	23.5	50	50	10

## 3005-60





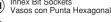


3005	T×W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	<b>+</b>	<b>*</b>	$\overline{\bigcirc}$					<b>Q</b>		<b>©</b>	
	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXPLUS® (IP)	TORXPLUS® (IPR)	Ribe-CV
<i>—</i>		Â			2			A		A	
1/4"	No.2000 series	No.2000(PZ) series	No. <b>2005</b> series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(IPR) series	_
3/8"	No.3000 series	No.3000(PZ) series	No.3005 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A No.4012M/A series	_	No.4020 series	No.4025 series	_	No.4025(IP) series	_	No.4027 series

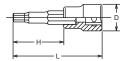












H—	
L	

3010M.38 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	11.5	38	27	10
4	18	11.5	38	28	10
5	18	11.5	38	30	10
6	18	11.5	38	36	10
7	18	11.5	38	36	10
8	18	11.5	38	38	10
9	20	11.5	38	47	10
10	20	11.5	38	48	10
11	20	11.5	38	59	10
12	20	11.5	38	60	10
13	22	11.5	38	76	5
14	22	11.5	38	78	5

3010M.62 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
9	20	35.5	62	75	10
10	20	35.5	62	76	10
11	20	35.5	62	92	10
12	20	35.5	62	94	10
13	22	35.5	62	107	5
14	22	35.5	62	109	5

3010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3	18	73.5	100	58	10
4	18	73.5	100	60	10
5	18	73.5	100	63	10
6	18	73.5	100	64	10
7	18	73.5	100	66	10
8	18	73.5	100	69	10
9	20	73.5	100	100	10
10	20	73.5	100	102	10
11	20	73.5	100	129	10
12	20	73.5	100	131	10
13	22	73.5	100	158	5
14	22	73.5	100	160	5

3010M.160 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	133.5	160	84	10
4	18	133.5	160	86	10
5	18	133.5	160	89	10
6	18	133.5	160	90	10
7	18	133.5	160	92	10
8	18	133.5	160	95	10
9	20	133.5	160	125	10
10	20	133.5	160	128	10
11	20	133.5	160	153	10
12	20	133.5	160	157	10
13	22	133.5	160	237	5
14	22	133.5	160	239	5

3010A.50 (inch)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
1/8	18	23.5	50	35	10
5/32	18	23.5	50	36	10
3/16	18	23.5	50	36	10
7/32	18	23.5	50	38	10
1/4	18	23.5	50	40	10
9/32	18	23.5	50	42	10
5/16	18	23.5	50	44	10
11/32	20	23.5	50	59	10
3/8	20	23.5	50	60	10
7/16	20	23.5	50	74	10
1/2	22	23.5	50	91	5

RS3010M/8-L38	8 Pieces Set/Rail 200mm	ДД (g)
3, 4, 5, 6,	7, 8, 10, 12	322
RS3010M/8-L62	8 Pieces Set/Rail 200mm	₫∄ (g)
3, 4, 5, 6,	7, 8, 10, 12	490
RS3010M/8-L100	8 Pieces Set/Rail 200mm	₫Д (g)
3, 4, 5, 6,	7, 8, 10, 12	645

1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2

400

RS3010A/8-L50



Hand Sockets 3/8"

3012M-25 Inhex Sockets Vasos con Punta de Hexagonal



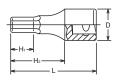




3012A -52 · -62 · -75







3012M.52 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	10	34	52	35	10
4	18	15.5	34	52	38	10
5	18	15.5	34	52	40	10
6	18	15.5	34	52	42	10
7	18	15.5	34	52	46	10
8	18.5	15.5	34	52	50	10
9	18.5	15.5	34	52	55	10
10	20	15.5	34	52	66	10
11	20	15.5	34	52	72	10
12	20	15.5	34	52	77	10
13	20	15.5	34	52	82	10
14	20	15.5	34	52	89	10

3012M.62 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Ø∄ (g)	(pcs.)
3	18	10	44	62	38	10
4	18	15.5	44	62	40	10
5	18	15.5	44	62	43	10
6	18	15.5	44	62	46	10
7	18	15.5	44	62	53	10
8	18.5	15.5	44	62	58	10
9	18.5	15.5	44	62	63	10
10	20	15.5	44	62	77	10
11	20	15.5	44	62	83	10
12	20	15.5	44	62	90	10
13	20	15.5	44	62	95	10
14	20	15.5	44	62	109	10

3012M.75 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

RS3012M/8-L52 Socket Set on Rail Juego de Vasos en Regleta

RS3012A/8-L52



		1	A			
100	E de l	6.05	Van S	8.09	11 Martin	Bearing

3012M.25 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫₫ (g)	(pcs.)
3	18.5	5.5	10	25	22	10
4	18.5	5.5	10	25	22	10
5	18.5	6.5	10	25	22	10
6	18.5	7.5	10	25	23	10
7	18.5	10	-	25	24	10
8	18.5	10	-	25	25	10
10	18.5	10	-	25	27	10
12	18.5	10	-	25	30	10
14	19	10	-	25	30	10
17	19	10	-	25	30	10

3012M/A are for hand use only. Do not use with a power or impact wrench.

3012A.52 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	18	10	34	52	35	10
5/32	18	15.5	34	52	38	10
3/16	18	15.5	34	52	40	10
7/32	18	15.5	34	52	42	10
1/4	18	15.5	34	52	44	10
9/32	18	15.5	34	52	46	10
5/16	18.5	15.5	34	52	50	10
11/32	18.5	15.5	34	52	55	10
3/8	20	15.5	34	52	65	10
7/16	20	15.5	34	52	72	10
1/2	20	15.5	34	52	82	10
9/16	20	15.5	34	52	89	10

3012A.62 (inch)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	₫¼ (g)	(pcs.)
1/8	18	10	44	62	38	10
5/32	18	15.5	44	62	40	10
3/16	18	15.5	44	62	43	10
7/32	18	15.5	44	62	46	10
1/4	18	15.5	44	62	48	10
9/32	18	15.5	44	62	53	10
5/16	18.5	15.5	44	62	58	10
11/32	18.5	15.5	44	62	63	10
3/8	20	15.5	44	62	73	10
7/16	20	15.5	44	62	83	10
1/2	20	15.5	44	62	95	10
9/16	20	15.5	44	62	109	10

3012A.75 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52	8 Pieces Set/Rail 200mm	₫¼ (g)		
3, 4, 5, 6, 7, 8, 10, 12				

RS3012A/8-L52	8 Pieces Set/Rail 200mm	Д¯Д (g)
1/8, 5/32, 3/16, 7/	32, 1/4, 5/16, 3/8, 1/2	425

#### 3011M.62 (mm) (g) 35.5 35.5 35.5 35.5

	12	20	35.5	62	79	10
	3011M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
	3	18	73.5	100	61	10
	4	18	73.5	100	62	10
	5	18	73.5	100	64	10
	6	18	73.5	100	65	10
	7	18	73.5	100	67	10
	8	18	73.5	100	68	10
lew	10	20	73.5	100	91	10

35.5

35.5

35.5

3011M.120 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

3011M.160 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

Ball point on them correctly. Ball point bit sockets have less strength due to the special design. Make sure to use

3015M.62 (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	50	10
6	18	35.5	62	50	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
10	20	35.5	62	75	10
12	20	35.5	62	95	10

3015M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	73.5	100	60	10
4	18	73.5	100	60	10
5	18	73.5	100	65	10
6	18	73.5	100	65	10
7	18	73.5	100	70	10
8	18	73.5	100	70	10
10	20	73.5	100	105	10
12	20	73.5	100	135	10

Grip Ring holds hex screws

3015M have less load capacity than standard. It must be used with proper engagement and apply load evenly to avoid breakage.

RS3015M/8-L62	8 Pieces Set/Rail 200mm	Д¯Д (g)
3, 4, 5, 6, 7,	, 8, 10, 12	500
RS3015M/8-L100	8 Pieces Set/Rail 200mm	(a)

3, 4, 5, 6, 7, 8, 10, 12

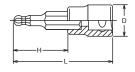
## 3011M-62 · -100 · -120 · -160

Ballpoint Inhex Sockets
Vasos con Punta de Bola Inhex













Inhex Bit Sockets, Grip Ring Vasos con Punta Hexagonal, Grip Ring

















3020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 4	18	7.8	93.5	120	77	10
M 5	18	7.8	93.5	120	79	10
M 6	18	7.8	93.5	120	81	10
M 8	18	7.8	93.5	120	82	10
M10	20	11.9	93.5	120	119	10
M12	20	11.9	93.5	120	123	10
M14	22	13.9	93.5	120	165	5

RS3020/6-L38 Socket Set on Rail Juego de Vasos en Regleta



RS3020/7-L50



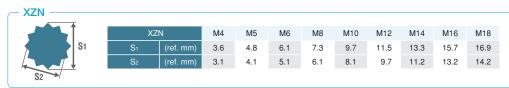
Socket Set on Rail
Juego de Vasos en Regleta



3020.38 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	18	7.8	11.5	38	32	10
M 6	18	7.8	11.5	38	33	10
M 8	18	7.8	11.5	38	36	10
M10	20	11.9	11.5	38	51	10
M12	20	11.9	11.5	38	52	10
M14	22	13.9	11.5	38	74	10
3020.50 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 4	18	7.8	23.5	50	35	10
M 5	18	7.8	23.5	50	37	10
M 6	18	7.8	23.5	50	39	10
M 8	18	7.8	23.5	50	40	10
M10	20	11.9	23.5	50	65	10
M12	20	11.9	23.5	50	69	10
M14	22	13.9	23.5	50	75	10
3020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 4	18	7.8	73.5	100	57	10
M 5	18	7.8	73.5	100	59	10
M 6	18	7.8	73.5	100	61	10
M 8	18	7.8	73.5	100	62	10
M10	20	11.9	73.5	100	99	10
M12	20	11.9	73.5	100	103	10
M14	22	13.9	73.5	100	145	5

RS3020/6-L38	6 Pieces Set/Rail 150mm	₫Д (g)
M5, M6, M8,	M10, M12, M14	308

RS3020/7-L50	7 Pieces Set/Rail 200mm	₫Д (g)
M4, M5, M6,	M8, M10, M12, M14	400

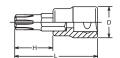


3027-50 · -100



Bit Sockets for Ribe Screws Vasos con Punta Ribe



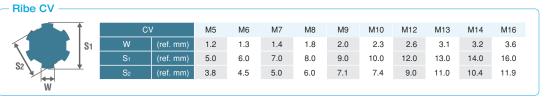




3027.50	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 5	18	23.5	50	38	10
M 6	18	23.5	50	38	10
M 7	18	23.5	50	38	10
M 8	18	23.5	50	39	10
M 9	20	23.5	50	40	10
M10	20	23.5	50	40	10
M12	20	23.5	50	41	10
3027.100	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10

RS3027/5-L50	ШШ	Socket Set on Rail Juego de Vasos en Regleta
		L
000	2.23	

RS3027/5-L50	5 Pieces Set/Rail 150mm	ДĨД (g)
	M5, M6, M8, M10, M12	240



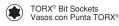
3025.38 (T) H (mm) ₫∄ (g) T 8 11.5 38 32 10 T 9 18 11.5 38 10 T10 18 11.5 38 32 10 T15 10 18 11.5 38 33 T20 18 11.5 38 33 10 T25 33 18 11.5 38 10 T27 38 33 18 11.5 10 T30 18 11.5 38 33 10 T40 18 11.5 38 34 10 T45 18 11.5 38 37 10 T50 18 11.5 38 40 10 T55 20 11.5 38 57 10

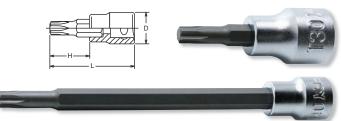
3025.50 (T)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 8	18	23.5	50	36	10
T 9	18	23.5	50	36	10
T10	18	23.5	50	36	10
T15	18	23.5	50	36	10
T20	18	23.5	50	36	10
T25	18	23.5	50	37	10
T27	18	23.5	50	37	10
T30	18	23.5	50	38	10
T40	18	23.5	50	39	10
T45	18	23.5	50	41	10
T50	18	23.5	50	42	10
T55	20	23.5	50	67	10



RS3025/8-L50	8 Pieces Set/Rail 200mm	Ø∄ (g)
T10, T15, T20, T25,	T27, T30, T40, T45	320

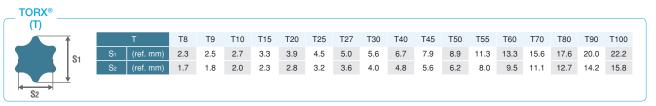
3025-38 · -50 · -140 (T)





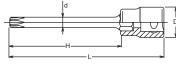
3025.140 (T)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T 9	18	113.5	140	75	10
T10	18	113.5	140	75	10
T15	18	113.5	140	75	10
T20	18	113.5	140	75	10
T25	18	113.5	140	76	10
T27	18	113.5	140	76	10
T30	18	113.5	140	77	10
T40	18	113.5	140	78	10
T45	18	113.5	140	80	10
T50	20	113.5	140	94	10
T55	20	113.5	140	106	10





3025.50	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T35	18	23.5	50	39	10

3025.100R (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T20	18	4	73.5	100	38	10
T25	18	4.6	73.5	100	40	10
T27	18	5.2	73.5	100	42	10
T30	18	5.7	73.5	100	45	10
T40	18	6.8	73.5	100	52	10
T45	20	8	73.5	100	73	10
T50	20	9	73.5	100	80	10
T55	20	11.4	73.5	100	106	10



RS3025/8-L100R	8 Pieces Set/Rail 200mm	(g) (\bar{D}
T20, T25, T27, T30,	, T40, T45, T50, T55	490



**3025-100R (T)** TORX® Bit Sockets, Round Shaft Vasos con Punta TORX®





Hand Sockets 3/8"

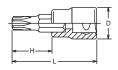
## 3025-50 · -160 (TH)



Tamper-Resistant TORX® Bit Sockets Vasos con Punta TORX® Indeformable









Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su

3025.50 (TH)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T10H	18	23.5	50	34	10
T15H	18	23.5	50	35	10
T20H	18	23.5	50	35	10
T25H	18	23.5	50	35	10
T27H	18	23.5	50	35	10
T30H	18	23.5	50	35	10
T40H	18	23.5	50	35	10
T45H	18	23.5	50	41	10
T50H	18	23.5	50	42	10
T55H	20	23.5	50	61	10

3025.160 (TH)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T25H	18	133.5	160	83	10
T27H	18	133.5	160	83	10
T30H	18	133.5	160	84	10
T40H	18	133.5	160	85	10
T45H	18	133.5	160	86	10
T50H	20	133.5	160	128	10
T55H	20	133.5	160	128	10

K53	U25,	/9-н	ULE	$\bigcirc$	шш	de Vasos		eta
						-	-	

RS3025/9-HOLE	9 Pieces Set/Rail 200mm	Д́Д (g)
	T20H, T25H, T27H, H, T45H, T50H	405

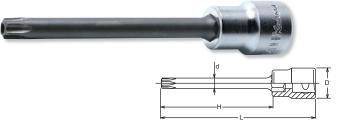


3247 4 Pieces Set/ὧື=385g PLASTIC BAG

3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H

3025-100R (TH)





RS3025/8-L100RH	<b>\$</b> IIII	Socket Set on Rail Juego de Vasos en Regleta	



3025.100R (TH)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
T20H	18	4	73.5	100	38	10
T25H	18	4.6	73.5	100	40	10
T27H	18	5.2	73.5	100	42	10
T30H	18	5.7	73.5	100	45	10
T40H	18	6.8	73.5	100	52	10
T45H	20	8	73.5	100	73	10
T50H	20	9	73.5	100	80	10
T55H	20	11.4	73.5	100	106	10

RS3025/8-L100RH	8 Pieces Set/Rail 200mm	₫∄ (g)
- , - ,	27H, T30H, T40H, 50H, T55H	490

3025.50 (IP) H (mm) (g) 10IP 18 23.5 38 10 15IP 18 23.5 10 20IP 18 23.5 50 38 10 25IP 23.5 10 18 50 38 27IP 18 23.5 50 40 10 30IP 18 23.5 40 50 10 40IP 23.5 50 41 10 18 45IP 41 18 23.5 50 10 50IP 20 23.5 50 61 10 55IP 20 23.5 50 61 10

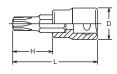
RS3025/8-IP	8 Pieces Set/Rail 200mm	₫¼ (g)
20IP, 25IP, 27IP, 3	30IP, 40IP, 45IP, 50IP, 55IP	370

RSX025/11-IP	11 Pieces Set/Rail 200mm	₫∄ (g)
2025.28(IP) 3025.50(IP) 4025.60(IP)	10IP, 15IP, 20IP, 25IP, 27IP 30IP, 40IP, 45IP, 50IP 55IP, 60IP	480
	1/4" + 3/8	3" + 1/2"

## 3025-50 (IP)















### TORXPLUS®



IF	P	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

3025.50 (IPR)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
10IPR	18	23.5	50	38	10
15IPR	18	23.5	50	38	10
20IPR	18	23.5	50	38	10
25IPR	18	23.5	50	38	10
27IPR	18	23.5	50	40	10
30IPR	18	23.5	50	40	10
40IPR	18	23.5	50	41	10
45IPR	18	23.5	50	41	10
50IPR	20	23.5	50	61	10
55IPR	20	23.5	50	61	10

RS3025/9-IPR	9 Pieces Set/Rail 200mm	₫∄ (g)
	5IPR, 27IPR, 30IPR, 40IPR, R, 50IPR	395

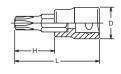
RSX025/11-IP	R 11 Pieces Set/Rail 200mm	Д¯Д (g)
2025.28(IPR)	8IPR, 10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR	320
3025.50(IPR)	40IPR, 45IPR, 50IPR, 55IPR	
	1/4	4" + 3/8"

## 3025-50 (IPR)



Tamper-Resistant TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS® Indeformable











## **TORXPLUS®**



			15IPR	20IPR	231FN	2/IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S <sub>1</sub> (ref. mm) 2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S <sub>2</sub> (ref. mm) 2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7







Henewai Kits → 2/49KK-3/6	→P320

	D (mm)	T (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10

2749N-3/8

(

Reversible Ratchet Llave de Carraca Reversible







\* Renewal Kits → 2749RK-3/8 → P320

2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible











\* Renewal Kits → 2749RK-3/8 → P320

25

	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
27/19N-3/8	25	21 0	11.2	125	104	1



2749P-3/8

11.2 2749-3/8 series have less strength compared with normal 38 ratchet due to the 2/49-3/8 series have less strong... series have less strong... technical design. Make sure to use the ratchet correctly.

125

101

Reversible Ratchet Short Llave de Carraca Reversible Corta 37498









21.9

\* Benewal Kits → 3749RK → P320

3749SB

Reversible Ratchet with Quick Release Button Short Llave de Carraca Reversible con botón de extracción rápida Corta





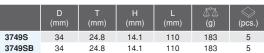








\* Renewal Kits - 3749BRK - P320





Reversible Ratchet with quick release button has less strength compared with Reversible Hatchet will quick leveled bound and ratchet due to the technical design. Make sure to use the ratchet correctly.

Reversible Ratchet Llave de Carraca Reversible 3749N









\* Renewal Kits → 3749RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫ <u>∄</u> (g)	(pce.)
3749N	34	24.8	14.1	200	340	1





A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in

tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L = Izquierda / R = Derecha) indican el sentido de giro.

El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.



\* Renewal Kits → 3752RK → P321





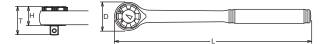


Reversible Ratchet Llave de Carraca Reversible 3752J

\* Renewal Kits → 3752RK → P321



	D (mm)	T (mm)	H (mm)	L (mm)	∆`∆ (g)	(pce.)
3752N	33	34.3	23.9	200	310	1
3752J	33	34.3	23.9	200	310	1









Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria 3776N

Renewal Kits → 3752RK → P321









Swivel Head Ratchet 3776P Llave de Carraca de Cabeza Giratoria



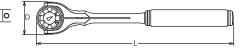




Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria 3776J

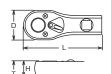


	D (mm)	T (mm)	H (mm)	L (mm)	Д Д (g)	(pce.)
3776N	44	34.3	23.9	280	565	1
3776P	44	34.3	23.9	280	560	1
3776J	44	34.3	23.9	280	510	1



3753SM

Multi Purpose Ratchet, Reversible Llave de Carraca de Aplicación General, Reversible



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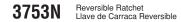






\* Renewal Kits → 3753RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3753SM	30.5	26.4	15.7	81	175	5
2				Con		











\* Renewal Kits → 3753RK → P320

Reversible Ratchet Llave de Carraca Reversible 3753P









\* Renewal Kits → 3753RK → P320

Reversible Ratchet Llave de Carraca Reversible 3753J









\* Renewal Kits → 3753RK → P320

Reversible Ratchet Llave de Carraca Reversible D3753J

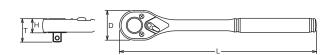








\* Renewal Kits → 3753RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1

3753P-250

Reversible Ratchet Long
Llave de Carraca Reversible Larga



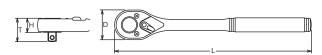






\* Renewal Kits → 3753RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
3753P-250	30.5	26.4	15.7	250	335	1



3753P-250 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



Multi Purpose Ratchet with Quick Release Button Llave de Carraca de Aplicación General, reversible











\* Renewal Kits → 3753BRK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	
3753SMB	30.5	26.4	15.7	81	175	5	







3753NB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida











\* Renewal Kits → 3753BRK → P320



3753PB

3753JB

Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida











\* Renewal Kits → 3753BRK → P320







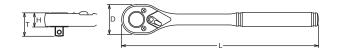




\* Renewal Kits → 3753BRK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



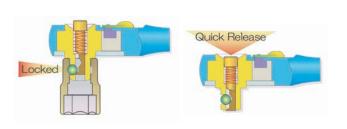
### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked.

By pushing the button the sockets or extension bars are released from the ratchet.

#### Llave de Carraca Reversible con Botón de

Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

2774PS-3/8

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible









\* Renewal Kits → 2749RK-3/8 → P320

2774JS-3/8

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible



音響歌

OVAL SHAPE SHANK





\* Renewal Kits → 2749RK-3/8 → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
2774PS-3/8	25	21.9	11.2	120	133	1
2774JS-3/8	25	21.9	11.2	120	113	1

2774-3/8 series have less strength compared with normal ③ ratchet due to the technical design. Make sure to use the ratchet correctly.



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Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible

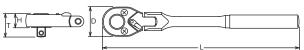








\* Renewal Kits → 3753RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3774PS	30.5	26.4	15.7	175	250	1
	22.0		. 5.7		_50	











Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible











\* Renewal Kits → 3753RK → P320

3774J

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





\* Renewal Kits → 3753RK → P320



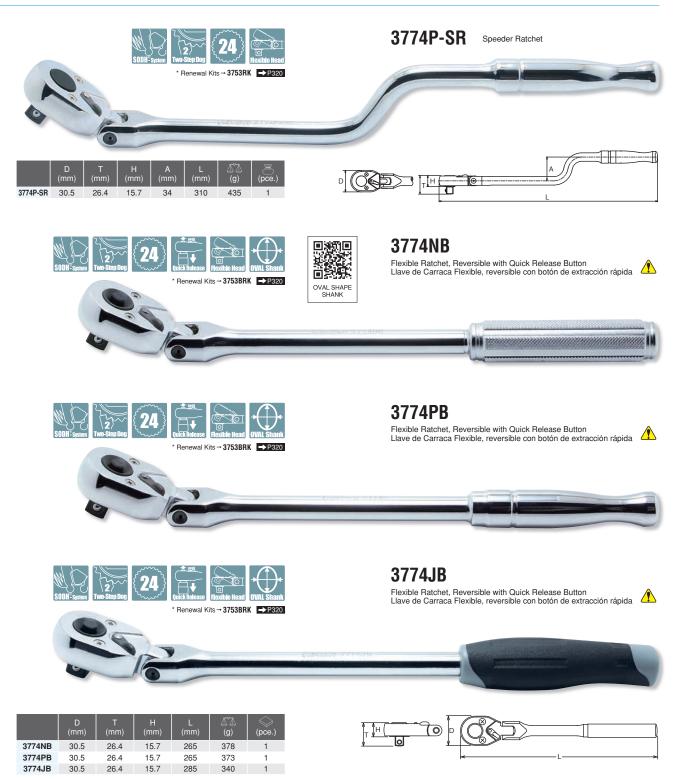


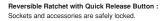


|--|--|--|

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3774N	30.5	26.4	15.7	265	378	1
3774P	30.5	26.4	15.7	265	378	1
3774J	30.5	26.4	15.7	285	367	1



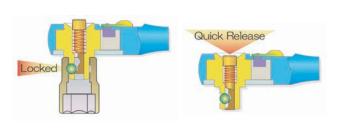




By pushing the button the sockets or extension bars are released from the ratchet.

### Llave de Carraca Reversible con Botón de

Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Flex-Head Ratchet with Head Lock Button Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza 3774NL







































\* Renewal Kits → 3753RK → P320



## 3774JBL 🗘

Flex-Head Ratchet with Head Lock Button and Quick Release Button Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza y Botón de Extracción Rápida







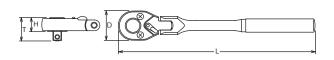












	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3774NL	30.5	26.4	15.7	265	378	1
3774PL	30.5	26.4	15.7	265	378	1
3774JL	30.5	26.4	15.7	285	340	1
3774JBL	30.5	26.4	15.7	285	340	1



Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



\* Renewal Kits → 3755RK → P321

	D (mm)	L (mm)	₫Д (g)	(pcs.)
3755	30.5	55	146	5



3755



30.5 3756 25.5 47 10

3756

Quick Spinner Disco de Giro Rápido

Ratchet Adaptor Adaptador de carraca









\* Renewal Kits → 3752RK → P321

	D (mm)	L (mm)	₫Д (g)	(pcs.)
3757	50	35	155	5

3757

Ratchet Wheel Rueda de carraca



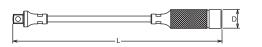


3762

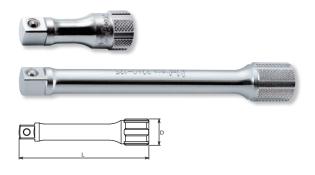
Flexible Extension Bar Alargadera Flexible



	D (mm)	L (mm)	₫Д (g)	∭ (pcs.)
2760	10.0	200	170	0



## **3760** Extension Bars Alargaderas



3760	D (mm)	L (mm)	₫Д (g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

## PK3760/6

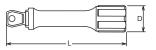


PK3760/6	6 Pieces Set/△◯ =670g
PLASTIC TRAY	
Extens	sion Bars
<b>3760</b> Extension Bars 32, 50, 75, 125, 150, 250	

#### Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 3763











3763	D (mm)	L (mm)	₫∄ (g)	(pcs.)
32	18	32	26	10
50	18	50	42	10
75	18	75	57	10
125	18	125	80	10
150	18	150	98	10
250	18	250	144	5
300	18	300	170	2

## PK3763/6

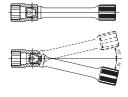


PK3763/6	6 Pieces Set/₷७=560g
PLASTIC TRAY	
Extension Bars	
<b>3763</b> Wobble-Fix Extension Bars 32, 50, 75, 125, 150, 250	

#### Wobble-Fix Extension Bar

Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.





The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.







3768N-175

Hinge Handle Mango Articulado



\* Renewal Kits - 3768RK - P323





3768N-250

Hinge Handle Mango Articulado

\* Renewal Kits → 3768RK → P323





3768P-250

Hinge Handle Mango Articulado

\* Renewal Kits - 3768RK - P323





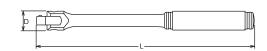
3768J-250

Hinge Handle Mango Articulado

\* Renewal Kits → 3768RK → P323



	D (mm)	L (mm)	₫₫ (g)	(pcs.)
3768N-175	20.5	175	255	5
3768N-250	20.5	250	290	5
3768P-250	20.5	250	275	5
3768J-250	20.5	250	248	2





3768N-300

Hinge Handle Mango Articulado



\* Renewal Kits - 3768RK - P323

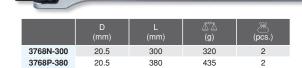


\* Renewal Kits → 3768RK → P323

3768P-380

Hinge Handle Mango Articulado









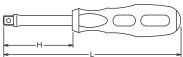
3768-300, -380 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Spin Type Handle Mango Tipo Destornillador 3769N-160 · -230



(Kokoo





110

135

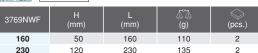


Spin Type Handle Wobble-Fix Mango Tipo Destornillador Articulados-Fijos

Rockow



Modern



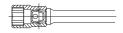


Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento.

#### Wobble-Fix Extension Bar

Two way usage : one for as a flexible extension bar to provide at  $15^{\circ}$  angle operation, the other for use as a normal extension bar. This usage is Patent.

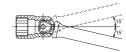
WOBBLE-FIX EXTENSION BAR





#### Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

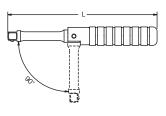




Folding Socket Driver Llave de Vaso Plegable 3769H



	L (mm)	₫Д (g)	(pcs.)
3769H	170	210	2



Universal Joint Articulación Universal 3770







	L (mm)	(g)	(pcs.)
3770	50	66	10

(g)

46

(pcs.)

Universal Joint Articulación Universal 3771





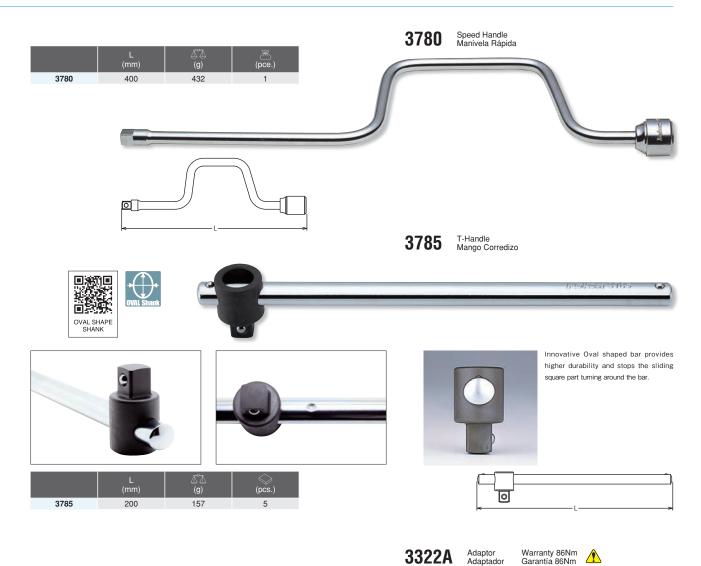


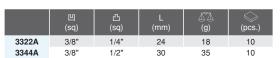




3771

43





Adapting down from bigger square drive to smaller square drive may lead to Adapting down troll bigger square \_\_\_\_ excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

3344A



86Nm



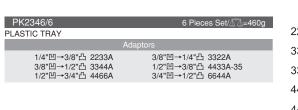
# PK2346/6

2233A	(1/4") X 3/8"	
322A	(3/8") X 1/4"	Warranty/Garantia

3344A (3/8") X 1/2"

(1/21) X 3/8" Warranty/Garantia 290Nm 4433A 4466A (1/2") X 3/4"

6644A (3/41) X 1/21 Warranty/Garantia 668Nm







### 3200M · 3200A

Socket Sets Juegos de Vasos



## 3201AMW

Socket Set Juego de Vasos



## 3206M

Socket Set Juego de Vasos



## 3206A

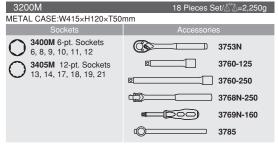
Socket Set Juego de Vasos



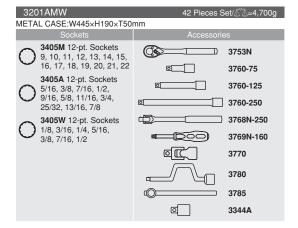
## 3206AM

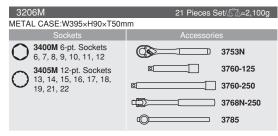
Socket Set Juego de Vasos



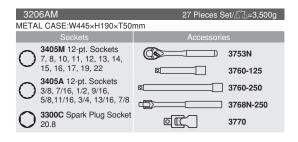


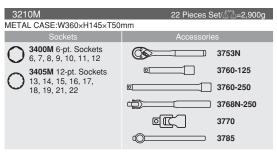
3200A	18 Pieces Set/ὧ∄=2,250g
METAL CASE:W415×H120×T50i	mm
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 3/8, 7/16	3753N
3405A 12-pt. Sockets	3760-125
1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8	© 3760-250
	3768N-250
	3769N-160
	3785





320	3206A 17 Pieces Set/ [ ]=2,000g				
META	L CASE:W395×H90×T50m	m			
	Sockets	Accessorie	es		
0	<b>3400A</b> 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16		3753N		
$\sim$	3405A 12-pt. Sockets	0	3760-125		
1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8		3760-250			
			3768N-250		
			3785		





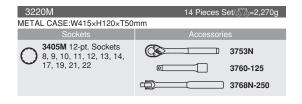


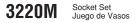




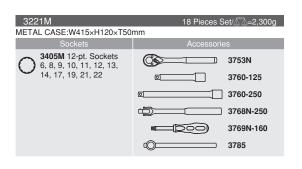




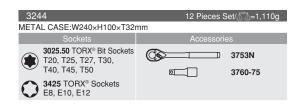
















Hand Sockets 3/8"

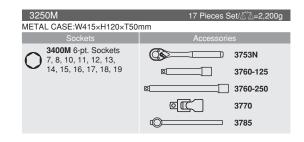


DISPLAY STAND:W510×H150×T230mm 6mm:12pcs 12mm:12pcs 18mm:8pcs 7mm:12pcs 13mm:11pcs 14mm:11pcs 19mm:8pcs 8mm:12pcs 20mm:7pcs 21mm:7pcs 22mm:7pcs 9mm:12pcs 15mm:10pcs 10mm:12pcs 16mm: 9pcs 11mm:12pcs 17mm: 9pcs 23mm:6pcs

S3240A-00 S3240A-05		Pieces Set/ὧ້∆=8,500g Pieces Set/ὧ້∆=8,500g
DISPLAY STAND:W510×	H150×T230mm	
1/4" :12pcs	9/16":10pcs	25/32":7pcs
5/16":12pcs	19/32":10pcs	13/16":7pcs
3/8" :12pcs	5/8" : 9pcs	7/8" :7pcs
7/16":12pcs	11/16": 9pcs	
1/2" :11pcs	3/4" : 8pcs	

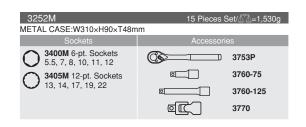
3250M Socket Set Juego de Vasos





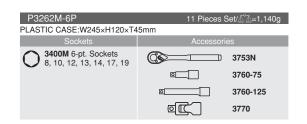
3252M Socket Set Juego de Vasos



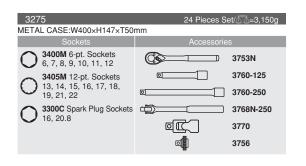




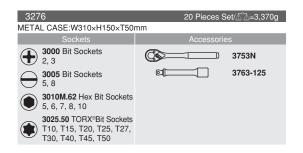




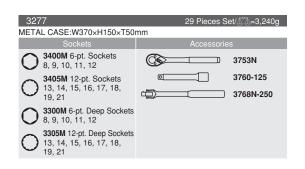
3/8" Hand Sockets



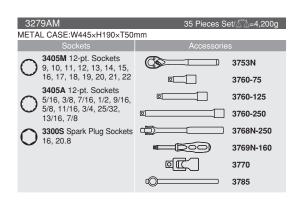
















4400M O 6-point Sockets Vasos Hexagonales







4405M 🔾



12-point Sockets Vasos Bihexagonales





6	10.3	21	6	36	42	10
7	11.5	21	7	36	43	10
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	57	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	182	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	205	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	246	5
32	42.8	38	23	46	261	5
33	44.2	39	24	47	275	5
34	45.2	40	24	47	315	5
35	46.2	40	24	47	317	5
36	47.2	41	24	47	336	5
37	48.3	42	24	47	360	5
38	49.2	43	24	47	380	5
41	53.1	45	29	57	471	5
46	59.1	48	32	60	567	2

RS4400M/10 Socket Set on Rail Juego de Vasos en Regleta



RS4405M/10 🔘

ШШ

RS4400M/10	10 Pieces Set/Rail 300mm	ДД (g)
10, 11, 12, 13, 14, 1	5, 17, 19, 21, 22	717

RS4405M/10	10 Pieces Set/Rail 300mm	₫Д (g)		
10, 11, 12, 13, 14, 15, 17, 19, 21, 22				

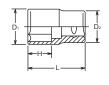
	6-Point	12-Point	Surface Drive	Nut Grip®	TORX® (E)	TORXPLUS® (EPL)	Tamper-Resistant TORXPLUS® (EPRL)	Double Square	LHSTIX® (LH-S)
1/4"	No. 2400M/A No. 2300M/A No. 2400W-BA No. 2300W-BA No. 2300X series	No. 2405M/A No. 2305M/A No. AS2405A No. AS2305A series	No. 2410M No. 2310M series	No. 2450MS/AS No. 2350M No. 2350X series	No. 2425 No. 2325 series	_	_	No. 2415M/A series	_
3/8"	No. 3400M/A No. 3300M/A No. 3400W No. 3300W No. 3300X/XA series	No. 3405M/A No. 3305M/A No. 3405W No. 3305W No. 3305X/XA series	No. 3410M No. 3310M series	No. 3450M/A No. 3450MH No. 3350M No. 3350X series	No. 3425 No. 3325 series	_	_	No. 3415M/A series	No. 3400LH series
1/2"	No. 4400M/A No. 4300M/A No. 4400W series	No. 4405M/A No. 4305M/A No. 4405W series	No. 4410M No. 4310M series	No. 4450M series	No. 4425 No. 4325 series	No. 4425-EPL series	No. 4425-EPRL series	_	No. 4400LH series

RS4400A/10	10 Pieces Set/Rail 300mm	₫∄ (g)	
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16			
RS4405A/10	10 Pieces Set/Rail 300mm	₫∄ (g)	
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16			

4400W 4405W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280	5

RS4400W/8	8 Pieces Set/Rail 250mm	₫∄ (g)
3/16, 1/4, 5/16	860	
RS4405W/8	8 Pieces Set/Rail 250mm	Д¯Д (g)
3/16, 1/4, 5/16	860	















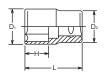


Socket Set on Rail Juego de Vasos en Regleta





6-point Whitworth Sockets Vasos Whitworth Hexagonales





## 4405W



12-point Whitworth Sockets Vasos Whitworth Bihexagonales





Regleta Regleta

RS4400W/8	0	ШШ	Socket Set on Rail Juego de Vasos en
RS4405W/8	$\circ$	ШШ	Socket Set on Rail Juego de Vasos en
		-	1000 1000 I

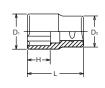


– BS W	
	S

BS·W -	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
B2.M	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

4410M O Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





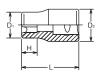


RS4410M/10	$\bigcirc$	ШШ	Socket Set on Rail Juego de Vasos en Regleta
			Juego de Vasos en Negleia



**4425** TORX® Sockets Vasos TORX®





Socket Set on Rail
Juego de Vasos en Regleta RS4425/7



4410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5
34	45.2	40	24	47	314	5

RS4410M/10	10 Pieces Set/Rail 300mm	Ø∑ (g)		
10, 11, 12, 13, 14, 15, 17, 19, 21, 22				

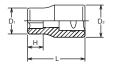
4425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	5

RS4425/7	7 Pieces Set/Rail 200mm	₫Д (g)
I	E10, E12, E14, E16, E18, E20, E24	428

TORX®																			
T T	E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	S <sub>1</sub> (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
31	S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3
\$2																			

TORX® Sockets Vasos TORX® 4425-N 🔘





Socket Set on Rail Juego de Vasos en Regleta RS4425/6-N ШШ



4425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E10N	13.2	21	8.2	36	47	10
E12N	14.6	21	9.3	37	48	10
E14N	16.5	21	10.6	37	50	10
E16N	19	22	11.8	37	60	10
E18N	20.3	22	13	37	60	10
E20N	22.8	22	14.4	37	65	10

TORX Socket for Nut and low profile bolt Shallow Chamfer on Socket Opening



- A : Flywheel bolt MR20 NISSAN: 4425-E20N
- B: Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N C: Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

RS4425/6-N	6 Pieces Set/Rail 200mm	₫¼ (g)
E10N, E12N, E	14N. E16N. E18N. E20N	370

4425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
10EPL	13.2	21	6.2	36	45	10
12EPL	14.6	21	7.2	37	47	10
14EPL	16.5	21	8.1	37	49	10
16EPL	19	22	9.2	37	60	10
18EPL	20.3	22	10.2	37	60	10
20EPL	22.9	22	11.2	37	65	10

RS4425/6-EPL	6 Pieces Set/Rail 200mm	₫∄ (g)
10EPL, 12EPL, 14EPL	, 16EPL, 18EPL, 20EPL	390

	4425 (EPRL)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
New	10EPRL	13.2	21	6.2	36	45	10
New	12EPRL	14.6	21	7.2	37	47	10
New	14EPRL	16.5	21	8.1	37	49	10
New	20EPRL	22.9	22	11.2	37	65	10

4450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	6	36	44	10
11	16.5	21	6.5	36	46	10
12	17.8	21	7	36	46	10
13	19	22	8	36	57	10
14	20.3	22	8.5	36	54	10
15	21.5	22	9	36	52	10
16	22.8	22	9	36	60	10
17	24	23	9.5	36	68	10
18	25	24	10.5	36	77	10
19	26.5	25	11.5	36	85	10
21	29	27	12	37	110	10
22	30	28	12.5	37	105	10
24	32.8	30	14.5	39	130	5
27	36.5	33	16.5	40	139	5

RS4450M/10	10 Pieces Set/Rail 300mm	₫Д (g)
10, 11, 12, 13, 14, 15	5, 17, 19, 21, 22	717

4400LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
6S	13.2	21	5.6	36	44	10
88	16.5	21	6.8	37	46	10
10S	19	22	8	37	53	10
12S	22.8	22	9.2	37	62	10
14S	25	24	10.4	37	74	10
16S	29	27	11.6	38	102	10

RS4400LH/6	6 Pieces Set/Rail 200mm	(g)
	6S, 8S, 10S, 12S, 14S, 16S	430

4425-EPL TORXPLUS® Sockets Vasos TORXPLUS®

TORX Blees





RS4425/6-EPL



Socket Set on Rail Juego de Vasos en Regleta

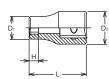


4425-EPRL



Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable







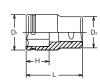
4450M

NUT GRIP®



Nut Grip Sockets **Nut Grip**® Vasos Sujeta-Tuercas **Nut Grip**®







RS4450M/10



Socket Set on Rail
Juego de Vasos en Regleta



4400LH









RS4400LH/6 ()



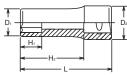
Socket Set on Rail Juego de Vasos en Regleta ШШ











4300M 4305M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
35	46.2	40	35	53	77	458	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

RS4300M/10 O Juliu Socket Set on Rail Juego de Vasos en Regleta RS4305M/10

RS4300A/10

Socket Set on Rail
Juego de Vasos en Regleta

RS4305A/10 ШШ

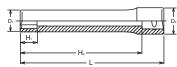


#### 4300M (L120) 🔾



6-point Extra Deep Sockets Vasos Hexagonales Extra Largos

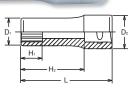




#### 4305M • 4305A O 12-point Deep Sockets Vasos Bihexagonales Largos







4300A 4305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	13.2	21	9	59	77	76	10
3/8	14.6	21	10	59	77	82	10
7/16	16.5	21	12	59	77	86	10
1/2	19	21.8	14	59	77	106	10
9/16	20.3	21.8	15	59	77	115	10
19/32	21.5	21.8	16	59	77	123	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	139	10
11/16	25	24	19	59	77	149	10
3/4	26.5	25	20	58	77	165	10
25/32	27.8	26	21	58	77	183	10
13/16	29	27	23	58	77	190	10
7/8	30	28	27	57	77	200	10
15/16	32.8	30	27	57	77	249	10
31/32	34	31	27	57	77	270	10
1	35	32	27	56	77	279	10
1. 1/16	36.5	33	28	56	77	303	10
1. 1/8	37.8	34	28	56	77	331	10
1. 3/16	40	36	34	55	77	342	10
1. 1/4	42.8	38	34	55	77	405	10
1. 5/16	44.2	39	35	54	77	420	5
1. 3/8	46.2	40	35	54	77	422	5
1. 7/16	47.2	41	35	53	77	484	5
1. 1/2	49	44	38	53	77	523	5
1.13/16	59	48	38	51	77	791	2

RS4300M/10	10 Pieces Set/Rail 300mm	ДД (g)		
10, 11, 12, 13, 14, 15, 17, 19, 21, 22				
RS4305M/10	10 Pieces Set/Rail 300mm	(g) T		
10, 11, 12, 1	3, 14, 15, 17, 19, 21, 22	1,415		

RS4300A/10	10 Pieces Set/Rail 300mm	₫¼ (g)			
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16					
RS4305A/10	10 Pieces Set/Rail 300mm	Ø∄ (g)			
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16					

4300M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

RS4310M/10	10 Pieces Set/Rail 300mm	Д"Д (g)
10, 11, 12, 13, 14	. 15. 17. 19. 21. 22	1.415

45.2

4325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E22	25	24	15.5	59	77	188	10
E24	26.6	25	17	59	77	215	10

RS4325/7	7 Pieces Set/Rail 200mm	₫¼ (g)
Е	10, E12, E14, E16, E18, E20, E24	900

4325(L140) (E)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

4325(L140) (2B)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫¼ (g)	(pcs.)
E 8(2B)	10.7	21	7	122	140	110	5
E10(2B)	13.2	21	8.2	122	140	140	5
E12(2B)	14.6	21	9.3	122	140	160	5
E14(2B)	16.5	21	10.6	122	140	180	5

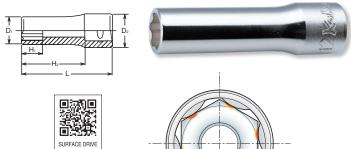
#### **NUT GRIP**®

Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.



#### Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos 4310M ()



Socket Set on Rail Juego de Vasos en Regleta RS4310M/10 

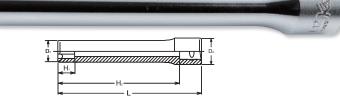










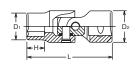






4440M • 4440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal





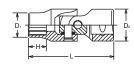
4440M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	25	15	71	170	10
20	27.8	25	15	71	173	5
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5



4445M • 4445A O 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





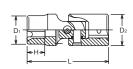
4445M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
10	15.3	25	8.8	63	155	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
17	24	25	14	69	150	10
19	26.5	25	15	71	170	10
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10



**4440T** O TORX® Universal Sockets Vasos TORX® con Articulación Universal





4440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

#### 



4117M.125 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1

4117M.250 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pce.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1

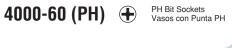
<u> </u>		
D <sub>1</sub>		
< <sup>□1</sup> > ← H₂−	<b>→</b>	
<	L	

4000 (PH)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

4000.60	D (mm)	H (mm)	L (mm)	\$\tal{\Pi}	(non )	

4000.60 (PZ)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4005	T×W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	1.2× 8	22	23.5	60	65	10
10	1.6×10	22	23.5	60	75	10
12	2.0×12	23	23.5	60	111	10
14	2.5×14	24	23.5	60	133	10
16	2.5×16	24	23.5	60	133	10



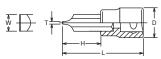


4000-60 (PZ) PZ Bit Sockets Vasos con Punta PZ



Slotted Bit Sockets Vasos con Punta Recta para Cabezas Ranuradas 4005-60





#### 4010M-50 · -75 · -100 · -160 • Inhex Bit Sockets Vasos con Punta Hexagonal 4010A-60



4010M.50 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
9	22	13.5	50	73	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
9	22	63.5	100	105	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5



RS4010M/10-L50
RS4010M/10-L75
RS40104/10-160

Socket Set on Rail
Juego de Vasos en Regleta

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4010M.75 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
9	22	38.5	75	90	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

4010M.160 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
4	22	123.5	160	103	10
5	22	123.5	160	104	10
6	22	123.5	160	106	10
7	22	123.5	160	108	10
8	22	123.5	160	110	10
10	22	123.5	160	126	10
12	23	123.5	160	180	5
14	24	123.5	160	260	5
17	25	120	160	360	5
19	27	118	160	415	5

4010A.60 (inch)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
5/32	22	23.5	60	57	10
3/16	22	23.5	60	57	10
7/32	22	23.5	60	59	10
1/4	22	23.5	60	63	10
9/32	22	23.5	60	65	10
5/16	22	23.5	60	67	10
11/32	22	23.5	60	75	10
3/8	22	23.5	60	76	10
7/16	23	23.5	60	101	10
1/2	24	23.5	60	124	10
9/16	25	20	60	127	10
5/8	25	20	60	174	10
3/4	27	18	60	220	5

RS4010M/10-L50	10 Pieces Set/Rail 300mm	₫Д (g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	968
RS4010M/10-L75	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	1,207
RS4010A/10-L60	10 Pieces Set/Rail 300mm	(g)
3/16, 7/32, 1/4, 5/16, 3	3/8. 7/16. 1/2. 9/16. 5/8. 3/4	1.080

4020-60 · -100 · -120 · -140





4020.60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.9	20	60	170	10

4020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
M 5	22	7.8	83.5	120	86	10
M 6	22	7.8	83.5	120	87	10
M 8	22	7.8	83.5	120	89	10
M10	23	11.9	83.5	120	152	10
M12	23	11.9	83.5	120	156	10
M14	24	13.9	83.5	120	164	5

4020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	7.8	63.5	100	77	10
M 6	22	7.8	63.5	100	78	10
M 8	22	7.8	63.5	100	80	10
M10	23	11.9	63.5	100	132	10
M12	23	11.9	63.5	100	136	10
M14	24	13.9	63.5	100	144	5
M16	25	16.9	60	100	250	5
M18	27	17.9	60	100	300	5

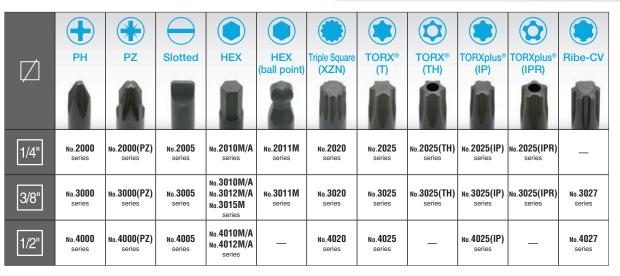
4020.140 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 5	22	7.8	103.5	140	95	10
M 6	22	7.8	103.5	140	96	10
M 8	22	7.8	103.5	140	98	10
M10	23	11.9	103.5	140	172	5
M12	23	11.9	103.5	140	176	5
M14	24	13.9	103.5	140	184	5



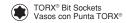
XZN	١	M4	M5	M6	M8	M10	M12	M14	M16	M18
S <sub>1</sub>	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S <sub>2</sub>	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

RS4020/6-L60	6 Pieces Set/Rail 150mm	₫∄ (g)
M5, M6, M8, M10,	500	



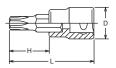


**4025-60 · -100 · -140 (T)** TORX® Bit Sockets Vasos con Punta TORX®









4025.60 (T)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
T15	22	23.5	60	58	10
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
T80	24	20	60	168	10

4025.100 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T20	22	73.5	100	76	10
T25	22	73.5	100	76	10
T27	22	73.5	100	77	10
T30	22	73.5	100	77	10
T40	22	73.5	100	78	10
T45	22	73.5	100	80	10
T50	22	73.5	100	98	10
T55	23	73.5	100	132	10
T60	24	73.5	100	170	5
T70	24	73.5	100	175	5

4025.140 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	⇔ (pcs.)
T20	22	103.5	140	94	10
T25	22	103.5	140	95	10
T27	22	103.5	140	95	10
T30	22	103.5	140	95	10
T40	22	103.5	140	97	10
T45	22	103.5	140	99	10
T50	22	103.5	140	129	10
T55	23	103.5	140	175	5
T60	24	103.5	140	229	5
T70	24	103.5	140	245	5
T80	24	100	140	320	5

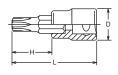


RS4025/9-L60 9 Pieces Set/Rail 250mm	₫¼ (g)
T20, T25, T27, T30, T40, T45, T50, T55, T60	700

TORX® _																				
(T)																				
	<b>†</b>		Т	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
	S <sub>1</sub>	S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
	"	S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8
	<u>*</u>																			
<b>S</b> 2																				

Bit Socket Vasos con Punta 4025-60-T35





	-	н		<i>₹</i> ₹4	
4025.60	D (mm)	(mm)	(mm)	⊕	(pcs.)
T35	22	23.5	60	96	10

4025.60 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
20IP	22	23.5	60	60	10
25IP	22	23.5	60	60	10
27IP	22	23.5	60	60	10
30IP	22	23.5	60	60	10
40IP	22	23.5	60	60	10
45IP	22	23.5	60	64	10
50IP	22	23.5	60	74	10
55IP	23	23.5	60	96	10
60IP	24	23.5	60	122	10
70IP	24	23.5	60	170	10

4025.100 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
40IP	22	63.5	100	79	10
45IP	22	63.5	100	81	10
50IP	22	63.5	100	100	10
55IP	23	63.5	100	133	10
60IP	24	63.5	100	172	5
70IP	25	63.5	100	241	5

RS4025/9-IP	9 Pieces set/Rail 250mm	(g)
20IP, 25IP, 27I 50IP,	700	

### 4025-60 · -100 (IP) TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®







#### TORXPLUS®

(IP) S1

IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub> (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub> (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

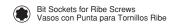
4027.60	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
М 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

4027.100	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	63.5	100	67	10
M 6	22	63.5	100	68	10
M 7	22	63.5	100	75	10
M 8	22	63.5	100	81	10
M 9	22	63.5	100	90	10
M10	22	63.5	100	101	10
M12	23	63.5	100	134	10
M13	24	63.5	100	155	5
M14	24	63.5	100	173	5
M16	24	60	100	241	5

4027.140	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	10
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

RS4027/6-L60	6 Pieces set/Rail 200mm	₫Д (g)			
M5, M6, M8, M10, M12, M14					

4027-60 · -100 · -140









# Ribe CV

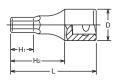
1	W	(ref. mm)								M13	M14	M16
		(161. 11111)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
	S <sub>1</sub>	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
	S2	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

#### 









4012M.43 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M.75 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	₫¼ (g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M.60 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M.100 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5

#### RS4012M/10-L60 Socket Set on Rail Juego de Vasos en Regleta



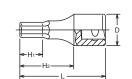


RS4012M/10-L60	10 Pieces set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10	), 12, 14, 17, 19	910



4012M/A are for hand use only.
Do not use with an impact wrench.







4012A.43 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10
7/8	26	11.5	23	43	141	10

4012A.75 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10
7/8	26	22.5	53	75	262	10

4012A.60 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10
7/8	26	22.5	38	60	202	10

4012A.100 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	24	15.5	78	100	75	10
3/16	24	15.5	78	100	81	10
7/32	24	15.5	78	100	85	10
1/4	24	15.5	78	100	88	10
9/32	24	15.5	78	100	93	10
5/16	24	15.5	78	100	97	10
11/32	24	15.5	78	100	111	10
3/8	24	15.5	78	100	109	10
7/16	24	15.5	78	100	142	10
1/2	24	15.5	78	100	158	10
9/16	24	15.5	78	100	169	10
5/8	24	15.5	78	100	192	5
3/4	24	15.5	78	100	243	5

RS4012A/10-L60 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4 950







4012M/A are for hand use only.

Do not use with an impact wrench.

Reversible Ratchet Short Llave de Carraca Reversible Corta 37498-1/2







\* Renewal Kits → 3749SRK-1/2 → P320

3749SB-1/2

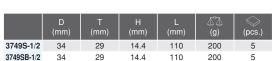
Reversible Ratchet Short with Quick Release Button Llave de Carraca Reversible corta con botón de extracción rápida











Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

4749N-250

Reversible Ratchet Llave de Carraca Reversible

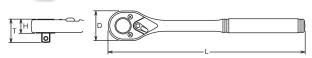






Renewal Kits → 4749RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4749N-250	44.6	33	18.4	250	616	1

4749N-380

Reversible Ratchet Long Llave de Carraca Reversible Larga







\* Renewal Kits → 4749RK → P320



4749J-380

Reversible Ratchet Long Llave de Carraca Reversible Larga

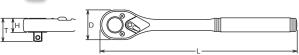






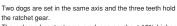
\* Renewal Kits → 4749RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	⊕`⊕ (g)	(pce.)
4749N-380	44.6	33	18.4	380	753	1
4749J-380	44.6	33	18.4	380	743	1

[4750 series]



The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes. El aumento de la superficie de contacto produce un aumento del par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.





















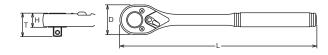






Reversible Ratchet Llave de Carraca Reversible

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4750N	38	35.9	21.3	250	548	1
4750P	38	35.9	21.3	250	553	1
4750J	38	35.9	21.3	250	508	1





4750J

Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida

















4750JB

Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida



















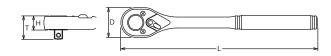




\* Renewal Kits → 4750BRK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4750NB	38	35.9	21.3	250	548	1
4750PB	38	35.9	21.3	250	553	1
4750JB	38	35.9	21.3	250	508	1



Reversible Ratchet Llave de Carraca Reversible 4752N





Renewal Kits → 4752RK → P321



4752J

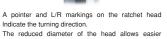
Reversible Ratchet Llave de Carraca Reversible











[L/R Marking]

Una flecha y unas marcas L/R en el cabezal de la llave(L= lzquierda / R= Derecha) indican el sentido

de giro.
El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

T H		
<u> </u>	L_	>

	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
4752N	35	38.8	24.5	250	480	1
4752J	35	38.8	24.5	250	470	1

access in tight spots.

Reversible Ratchet Llave de Carraca Reversible 4753N









\* Renewal Kits → 4753RK → P320

Reversible Ratchet Llave de Carraca Reversible 4753P









\* Renewal Kits → 4753RK → P320

Reversible Ratchet 4753J Llave de Carraca Reversible









\* Renewal Kits → 4753RK → P320

Reversible Ratchet Llave de Carraca Reversible D4753J









595

570 545

510

1

1

		D (mm)	T (mm)	H (mm)	L (mm)
	4753N	38	36.2	21.6	250
	4753P	38	36.2	21.6	250
<b>←</b> L>	4753J	38	36.2	21.6	250
	D4753J	38	36.2	21.6	250



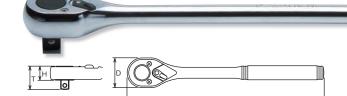
Reversible Ratchet Long
Llave de Carraca Reversible Larga











	D (mm)	T (mm)	H (mm)	L (mm)	₫```Д (g)	(pce.)
4753P-410	38	36.2	21.6	410	790	1

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida

























4753NB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida







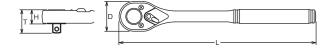




\* Renewal Kits → 4753BRK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

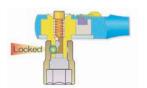
#### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked.

By pushing the button the sockets or extension bars are released from the ratchet.

#### Llave de Carraca Reversible con Botón de Extracción Rápida: Los vasos y accesorios se bloquean en

posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





### **GEAR TEETH**







4753series



4750series



4752series



4774series

















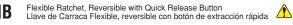








4774NB





















4774PB

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, reversible con botón de extracción rápida

















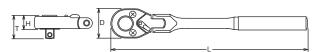
4774JB

Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida



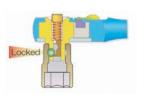


	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4774NB	38	36.2	21.6	330	700	1
4774PB	38	36.2	21.6	330	700	1
4774JB	38	36.2	21.6	330	685	1





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

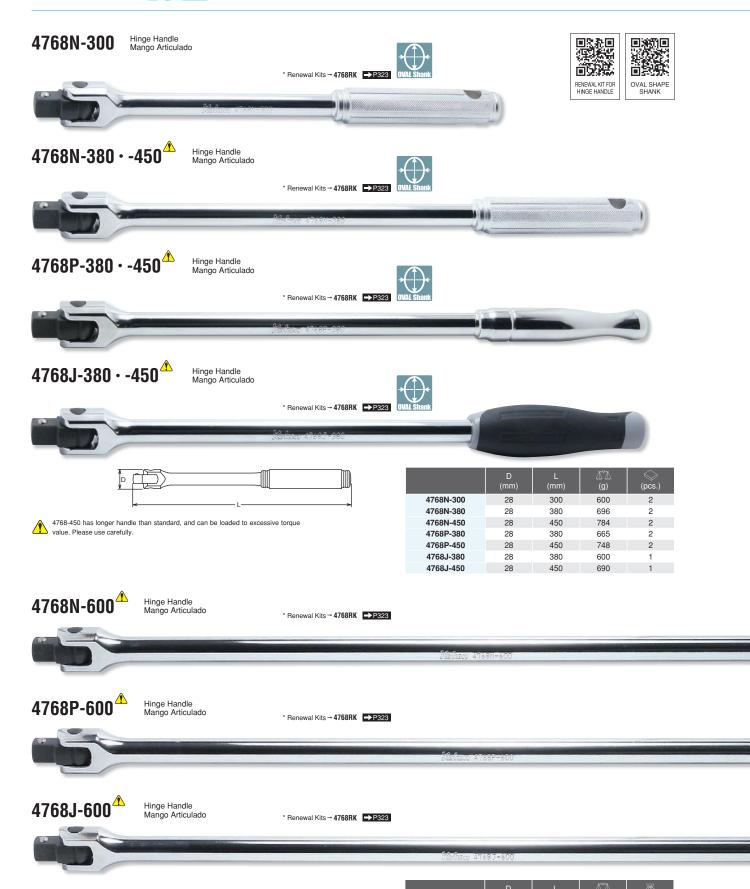




#### Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.



4768N-600

4768P-600

4768J-600

1100

1170

1120

600

600

600

28

28

to avoid breakage and possible injury.

4768-600 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively

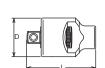








\* Renewal Kits → 4755RK → P321



Ratchet Adaptor Adaptador de carraca



450

1000

	D (mm)	L (mm)	Д^Д (g)	(pcs.)
4755	33.5	65	270	5

4756 Quick Spinner Disco de Giro Rápido



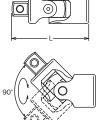






	D (mm)	L (mm)	Ø∆ (g)	(pcs.)
4756	38	34.5	95	10

#### 4770 Universal Joint Articulación Universal





	L (mm)	<b>△</b> □ (g)	(pcs.)
4770	62.4	150	10











	L (mm)	₫Д (g)	(pcs.)
4771	57.7	113	10



Extension Bars Alargaderas 4760



PK4760/5



Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 4763







4760	D (mm)	L (mm)	₫Д (g)	(pcs.)
35	24	35	56	10
50	24	50	92	10
75	24	75	138	10
100	24	100	158	5
125	24	125	194	5
150	24	150	266	5
200	24	200	295	5
250	24	250	358	5
300	24	300	492	2
400	24	400	650	1
500	24	500	808	1
600	24	600	968	1
900	24	900	1430	1
1000	24	1000	1593	1

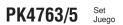
PK4760/5		5 Pieces Set/\$\tilde{\bar{A}}=1,050g
PLASTIC TRAY		
<b>4760</b> Extension Bars 50, 75, 125, 150, 250		





	4763	D (mm)	L (mm)	ДŽ (g)	(pcs.)
	50	24	50	95	10
	75	24	75	111	10
	125	24	125	157	5
	150	24	150	181	5
	250	24	250	357	5
New	300	24	300	480	2
	400	24	400	650	1

The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

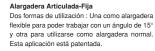


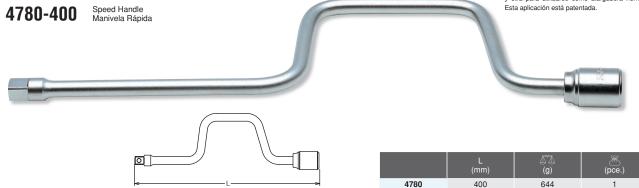






Two way usage : one for as a flexible extension bar to provide at  $15^{\circ}$  angle operation, the other for use as a normal extension bar. This usage is Patent.





OVAL Shank



4785

T-Handle Mango Corredizo

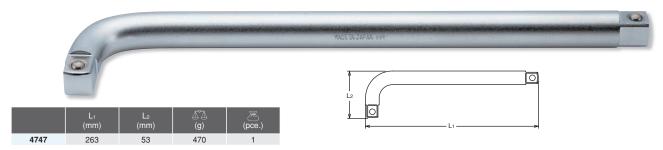


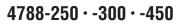




4747

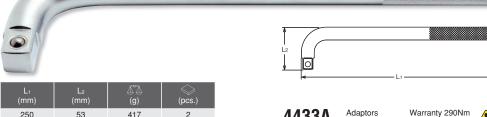
L-Handle Mango Acodado











250 250 53 417 2 300 300 53 503 450 450 53 745

4788

4788-450 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

4433A	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)
35	1/2"	3/8"	35	50	10
75	1/2"	3/8"	75	120	10
125	1/2"	3/8"	125	164	5
250	1/2"	3/8"	250	275	5
600	1/2"	3/8"	600	530	1

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

	凹 (sq.)	凸 (sq.)	L (mm)	₫¼ (g)	(pcs.)
4466A	1/2"	3/4"	42	108	10



Adaptors Adaptadores 4433A





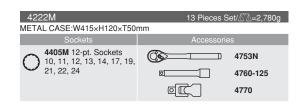
Adaptor Adaptador 4466A





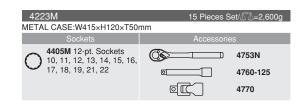
Socket Set Juego de Vasos 4222M





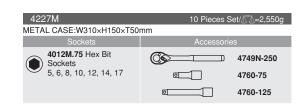
Socket Set 4223M Juego de Vasos





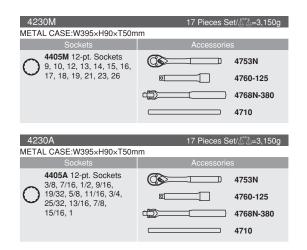
Bit Socket Set Juego de Vasos con Punta 4227M





Socket Sets Juegos de Vasos 4230M · 4230A





Hand Sockets

4232M METAL CASE:W415×H120×T50mm 4405M 12-pt. Sockets 8, 9, 10, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26 4753N  $\Box$ 4760-125 4768N-380

Socket Set Juego de Vasos 4232M



4405M 117 DISPLAY STAND:W510×H150×T230mm 24mm:6pcs 27mm:5pcs 10mm:9pcs 16mm:9pcs 11mm:9pcs 17mm:8pcs 12mm:9pcs 19mm:7pcs 30mm:5pcs 21mm:7pcs 22mm:6pcs 13mm:9pcs 32mm:4pcs 15mm:9pcs 23mm:6pcs

S4240A-00 S4240A-05 4400A 4405A

DISPLAY STAND:W510×H150×T230mm

3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs

Display Stands Expositores S4240M-00 · S4240A-00 \$4240M-05 · \$4240A-05



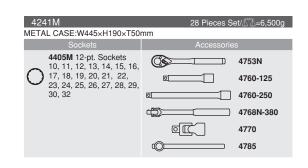
METAL CASE:W446×H266×T50mm 4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32 4753N 4760-125 **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 4760-250 4770 15/16, 1.1/16, 1.1/8, 1.1/4 4780 4300C Spark Plug Socket 20.8 4785

4238AM Socket Set Juego de Vasos



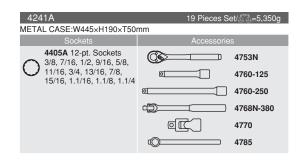
4241M Socket Set Juego de Vasos





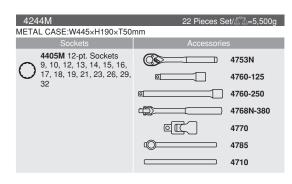
**4241A** Socket Set Juego de Vasos

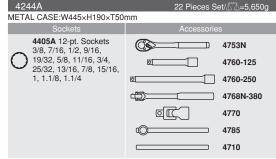




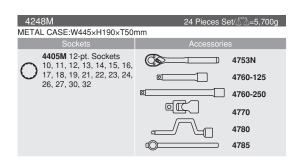
**4244M • 4244A** Socket Sets Juegos de Vasos

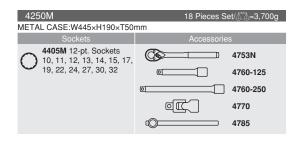


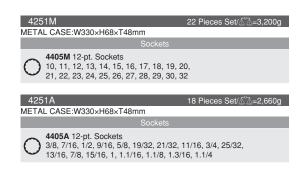


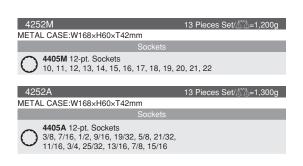


Hand Sockets









4254	12 Pieces Set/௴∄=1,070g
METAL CASE:W215×H80×T47m Sockets	M Accessories
<b>3425-</b> E6, E8	<b>4763-50</b>
<b>4425-</b> E10, E12, E14	@ 4433A-35
<b>3325-</b> E6, E8	
<b>4325-</b> E10, E12, E14	

4248M Socket Set Juego de Vasos



4250M Socket Set Juego de Vasos



**4251M · 4251A** Socket Sets Juegos de Vasos



4252M • 4252A Socket Sets Juegos de Vasos

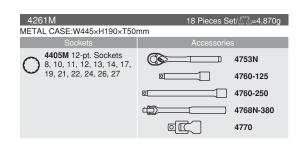


4254 Socket Set Juego de Vasos



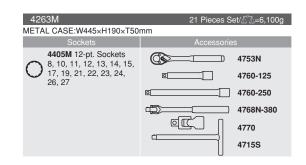
4261M Socket Set Juego de Vasos





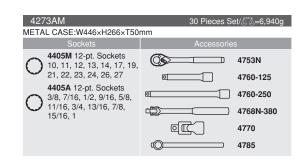
4263M Socket Set Juego de Vasos





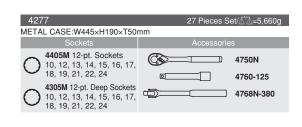
4273AM Socket Set Juego de Vasos

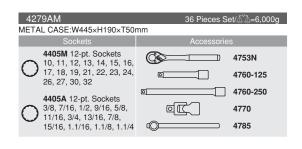


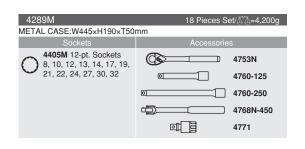


4275 24 Pieces Set/\$\tilde{\bar{A}} = 5,340g METAL CASE:W445×H190×T50mm 4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 4750N  $\Box$ 4760-125 4300C Spark Plug 4760-250 Sockets 16, 20.8 4768N-380 4300M Wheel Nut 4770 Sockets 17(L60), 19(L60), 21(L60) 4785

4276	17 Pieces Set/⑤③=2,890g
METAL CASE:W370×H150×T50	mm
Sockets	Accessories
<b>4010M.50</b> Bit Sockets 6, 7, 8, 10, 12, 14	4752N
4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	©( <b>1</b> 4763-125







4275 Socket Set Juego de Vasos



4276 Socket Set Juego de Vasos



**4277** Socket Set Juego de Vasos



4279AM Socket Set Juego de Vasos



4289M Socket Set Juego de Vasos

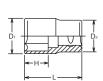


# Hand Sockets 3/4"

#### 6400M • 6400A O 6-point Sockets Vasos Hexagonales







#### 6405M • 6405A O 12-point Sockets Vasos Bihexagonales







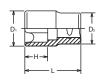
6400M 6405M	D <sub>1</sub>	D <sub>2</sub>	Н	L	<b>\$</b> \text{\P}	
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
14	22.1	34	11	50	160	10
16	24.6	34	12	50	167	10
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	33	72	925	2
54	72	55	33	72	1040	2
55	73.5	53	36	72	1006	2
56	74.5	53	36	72	1092	2
57	76	53	36	72	1169	2
58	77	53	36	72	1149	2
60	79.5	58	39	76	1402	2
63	83.5	58	39	76	1494	2
65	86	63	42	80	1608	2
70	92	68	45	84	1785	2
75	98.5	73	48	86	2186	1
78	102.1	73	55	86	2425	1
80	104.5	78	52	90	2475	1
85	111	78	52	90	2620	1

6400A 6405A	D <sub>1</sub>	D <sub>2</sub>	Н	L	<u> </u>	$\Diamond$
(inch)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
5/8	24.6	34	12	50	168	10
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	53	254	5
1. 1/8	41	38	20	53	292	5
1. 3/16	42	38	21	55	301	5
1. 1/4	44.5	40	23	57	351	5
1. 5/16	46	40	23.5	57	384	5
1. 3/8	48.5	42	24.5	57	422	5
1. 7/16	51	42	25.5	59	484	5
1. 1/2	52	45	26	59	523	5
1. 9/16	54.5	45	27	59	550	5
1. 5/8	56	47	28	62	633	5
1.11/16	58.5	47	29	62	659	2
1. 3/4	59.5	47	29.5	62	657	2
1.13/16	62	47	31	68	791	2
1. 7/8	64.5	45	32	68	892	2
1.15/16	66	48	32.5	68	870	2
2 1/16	68.5 71	52	34.5	68 72	949	2
2. 1/16	71	54 55	33 33	72 72	983 1040	2
2. 1/6	74.5	53	36	72	1040	2
2. 3/10	74.5	53	36	72	1169	2
2. 1/4	78.5	53	36	72	1344	2
2. 3/8	79.5	58	39	76	1402	2
2. 7/16	82	58	39	76	1420	2
2. 1/10	84.5	58	39	76	1497	2
2. 9/16	86	63	42	80	1608	2
2. 5/8	88.5	63	42	80	1709	2
2.11/16	89.5	63	42	80	1634	2
2. 3/4	92	68	45	84	1785	2
2.13/16	94.5	68	45	84	2018	2
2. 7/8	96	68	45	84	2062	2
2.15/16	98.5	73	48	86	2186	1
3	101	73	48	86	2309	1
3. 1/8	104.5	78	52	90	2475	1

6425 O TORX® Sockets Vasos TORX®



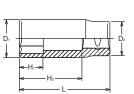




6425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5

6305M • 6305A 12-point Deep Sockets Vasos Bihexagonales Largos





	1 2	200
	- 4	7. X.
	29	203

6300M			_		_	577	
6305M	D <sub>1</sub>	D <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	L	ĄĄ.	
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	-	100	1270	2
53	71	54	49	-	100	1338	2
54	72	55	49	-	100	1351	2
55	73.5	53	52	-	100	1388	2
56	74.5	53	52	-	100	1389	2
57	76	53	52	-	100	1467	2
58	77	53	52	-	100	1480	2
60	79.5	58	55	_	100	1626	2
63	83.5	58	55	-	100	1740	2
65	86	63	65	-	100	1939	2

6300A 6305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	-	100	1338	2
2. 1/8	72	55	49	_	100	1351	2
2. 3/16	74.5	53	52	-	100	1389	2
2. 1/4	76	53	52	-	100	1467	2
2. 5/16	78.5	53	52	-	100	1787	2
2. 3/8	79.5	58	55	_	100	1626	2
2. 7/16	82	58	55	-	100	1715	2

6012M.75 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
12	35	15.5	40	75	253	10
14	35	15.5	40	75	265	10
15	35	15.5	40	75	271	10
16	35	15.5	40	75	285	10
17	35	15.5	40	75	292	10
18	35	15.5	40	75	302	10
19	35	15.5	40	75	312	10
20	35	15.5	40	75	323	10
21	38	15.5	40	75	330	10
22	38	22.5	40	75	340	10
24	38	22.5	40	75	362	10
27	38	22.5	40	75	402	10
30	38	28.5	40	75	445	10
32	38	28.5	40	75	485	10
36	42	28.5	40	75	663	10

6012M-75 Inhex Sockets Vasos con Punta Hexagonal







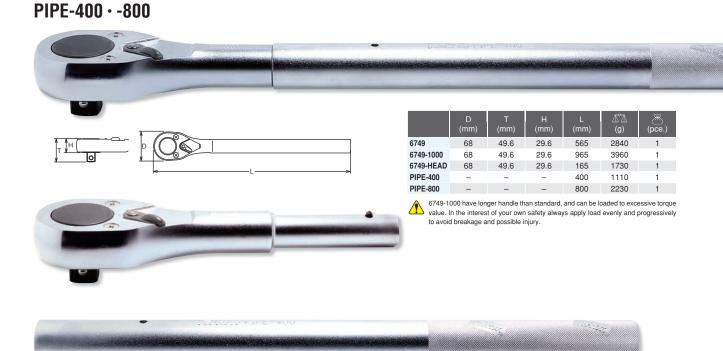






\* Renewal Kits → 6749RK → P320

P320 RATC



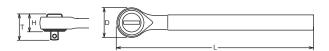






\* Renewal Kits → 6752RK → P321





	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
6752	67	55.5	35.5	500	2360	1
6752-HEAD	67	55.5	35.5	100	1250	1
PIPE-400	-	-	-	400	1110	1



3/4" Hand Sockets

Ratchet Adaptor Adaptador de carraca





	D (mm)	L (mm)	₫ <u>¯</u> (g)	(pce.)
6755	62	97	1162	1



**6760** Extension Bars Alargaderas





6760	D (mm)	L (mm)	₫Д (g)	(pcs.)
75	35	75	335	5
100	35	100	434	2
125	35	125	528	2
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1





Hinge Handle Mango Articulado 6768



6768-600 · -1000 6768-HEAD PIPE-400 · -800



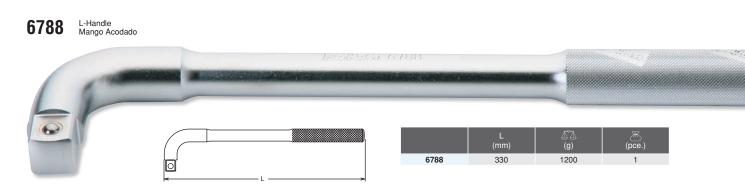
Hinge Handles
Mangos Articulados

D (mm) 6768-600 42 600 2900 6768-1000 42 1000 3500 6768-HEAD 42 200 1250 PIPE-400 400 1110

PIPE-800 800 6768-600/-1000 have longer handle than standard, and can be loaded to excessive 6768-600/-1000 have longer handle than standard, and can be reaced to status torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

\* Renewal Kits → 6768RK → P323





# Hand Sockets



	L (mm)	Д`Д (g)	(pcs.)
6770	105	500	2













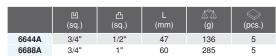
6688A

Adaptor Warranty 668Nm Adaptador Garantía 668Nm











Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



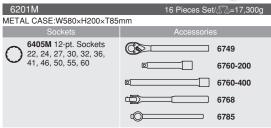
Adaptor Adaptador

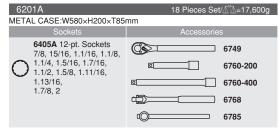


## Hand Sockets 3/4"

#### 6201M • 6201A Socket Sets Juegos de Vasos



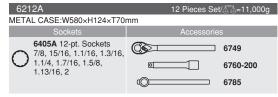




### 6212M · 6212A Socket Sets Juegos de Vasos



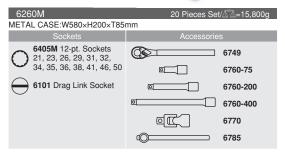
6212M METAL CASE:W580×H124×T70	12 Pieces Set	/ὧື=11,000g
Sockets	Accessories	S
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50		6749 6760-200 6785

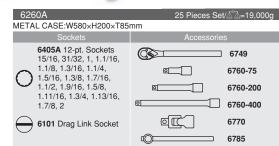


Sockets in sets can be supplied in 6-pt. or 12-pt. format.

Hand Sockets

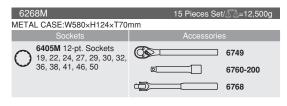






6268M Socket Sets Juegos de Vasos



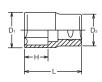


#### 8400M • 8400A O 6-point Sockets Vasos Hexagonales









8400M 8405M	D <sub>1</sub>	D <sub>2</sub>	Н	L	A A	, <del>////////////////////////////////////</del>
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43 44	44 45	20 21	60 65	378	1
30 32	46.5	45	23	65	410 455	1
33	48.5	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	624	1
39	55.5	50	26.5	65	650	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
43	60.5	53	29	68	810	1
45	63	53	30	68	844	1
46	64	53	31	72	928	1
47	65.5	53	31.5	72	942	1
48	66.5	53	32	72	960	1
50	69	53	34	72	943	1
52	71.5	53	38	72	987	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
56	76.5	53	42	77	1160	1
58	79	53	41	77	1200	1
60 62	81.5 84	58 58	46 46	82 82	1440 1510	1
63	85.5	58	45	82	1470	1
64	86.5	58	46	82	1540	1
65	88	63	49	86	1683	1
67	90.5	63	49	86	1840	1
68	91.5	63	49	86	1800	1
70	94	68	50	88	1963	1
71	95.5	68	50	88	2200	1
72	96.5	68	51	88	2250	1
75	100.5	73	53	90	2204	1
78	104	75	52.5	90	2500	1
80	106.5	75	58	95	2550	1
83	110.5	78	57	95	2730	1
85	113	80	57	95	2680	1
90	119	80	59	100	3420	1
95	125.5	85	58	100	4900	1
100	131.5	85	57	100	4840	1

### 8405M • 8405A O 12-point Sockets Vasos Bihexagonales







8400A 8405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

8012M.80 44.2 15.5 44.2 15.5 47.9 22.5 27 47.9 22.5 47.9 22.5 47.9 22.5 47.9 22.5 54.2 22.5 

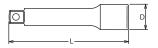




Extension Bars Alargaderas 

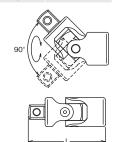


8760	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
200	44	200	1300	1
400	44	400	2570	1



8866A

	L (mm)	Д¯Д (g)	(pce.)
	(11111)	(9)	(pce.)
8770	143	1170	1







	回 (mm)	凸 (mm)	L (mm)	Д¯Д (g)	(pcs.)
8866A	1"	3/4"	60	338	5

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



8749 Reversible Ratchet Llave de Carraca Reversible

8749-1000 1

8749-HEAD

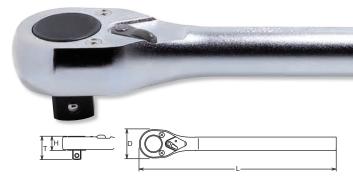
PIPE-580 · -800











\* Renewal Kits → 8749RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
8749	70	62.2	36.2	800	4090	1
8749-1000	70	62.2	36.2	1020	4664	1
8749-HEAD	70	62.2	36.2	220	2490	1
PIPE-580	-	_	_	580	1610	1
PIPE-800	-	-	-	800	2230	1

8749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Hinge Handle Mango Articulado 8768 8768-1000 1 8768-HEAD PIPE-400 · -800

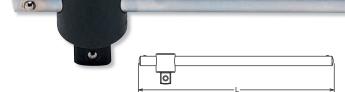


\* Renewal Kits → 8768RK → P323

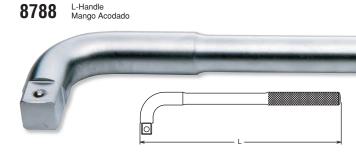
	D (mm)	L (mm)	₫∄ (g)	(pce.)
8768	55	600	3190	1
8768-1000	55	1000	4348	1
8768-HEAD	55	200	1480	1
PIPE-400	_	400	1110	1
PIPE-800	_	800	2230	1

8768-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





	L (mm)	₫ <u>¯</u> (g)	(pce.)
8785	550	3190	1
8785-700	700	3906	1



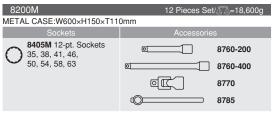
	L (mm)	(g)	(pce.)
8788	600	3600	1

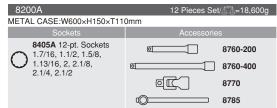


8200M · 8200A

Socket Sets Juegos de Vasos



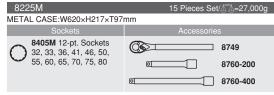




8225M Socket Set Juego de Vasos







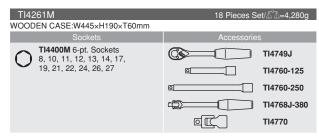
Sockets in sets can be supplied in 6-pt. or 12-pt. format.



TI4261M Socket Set Titanium Juego de Vasos de Titanio







# **Characteristic of Titanium**

Light weight : Makes it effective for operating tools. The specific gravity is only about 58% of chrome molybdenum

steel which is used for our normal products.

Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.

Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

# Características del Titanio

Peso ligero : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo

el 58% del acero al cromo-molibdeno de nuestros productos normales.

No se oxida : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase

de productos químicos.

No es magnético : Material paramagnético que evita la magnetización de las herramientas.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.



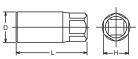


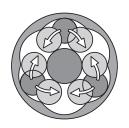
# Accessories











## Stud Pullers

Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

# Extractores de Espárragos

El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.



4100M (mm)	Ø	D (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
5		24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9	1/2"	28	75	21	217	10
10	1/2	28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	<b>-</b> ♠	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
1/4		24	65	21	150	10
5/16		24	65	21	147	10
3/8	1/2"	28	75	21	213	10
7/16	1/2	28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	-1	34	75	27	315	5

# \* Renewal Kits → 4100MRK/4100ARK → P323

4100M-16 and 4100A-5/8 do not have 1/2" square urive.

Drive the outer hexagon part with 27mm sockets or ring wrenches. 4100M-16 and 4100A-5/8 do not have 1/2" square drive.

4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2" Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

# Tolerance/Tolerancia

	00M im)		00A ich)
5	4.7- 5	1/4	6 - 6.4
6	5.6- 6	5/16	7.6- 8
7	6.6- 7	3/8	9 - 9.6
8	7.6- 8	7/16	10.5-11.1
9	8.4- 9	1/2	12.1-12.7
10	9.4-10	9/16	13.5-14.3
10.5	9.9-10.5	5/8	15.2-16
11	10.4-11		
12	11.4-12		
14	13.2-14		
16	15.2-16		

# 4211M · 4211A O Stud Pullers Sets Juegos de Extractores de Espárragos

Stud Pullers Set Juegos de Extractores de Espárragos 4214M O



101	414		. 5. 6
421	11M		4 Pieces Set/₷७=1,040g
META	L CASE:W215×H80×T47	mm	
		PULLER	
	4100M Stud Pullers		
U	6, 8, 10, 12		
421	11A		4 Pieces Set/\$\tilde{\bar{A}} = 1,040g
	I 1A L CASE:W215×H80×T47	mm	4 Pieces Set/\$\tilde{\bar{1}}=1,040g
		mm PULLER	4 Pieces Set/ =1,040g
			4 Pieces Set/』∑a=1,040g
	L CASE:W215×H80×T47		4 Pieces Set/△□=1,040g



6100M (mm)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pce.)
18	3/4"	48	100	36	840	1
20	3/4	48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27	A	63	125	46	1707	1
28	-1	63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

# \* Renewal Kits → 6100MRK → P323

6100M-22 to -30 do not have 3/4" square drive. Drive the outer hexagon part with sockets or ring wrenches (size 22-24mm = 36H, 27-30mm = 46H).

6100M-22-30 no tienen conductores cuadrados de 3/4" Apretar la parte hexagonal exterior con vasos o llaves de tuerca (medidas 22-24mm = 36H, 27-30mm = 46H)

# Tolerance/Tolerancia

6100M (mm)					
18	16.9-18				
20	18.8-20				
22	20.8-22				
24	22.7-24				
27	25.7-27				
28	26.7-28				
29	27.6-29				
30	28.6-30				

14100M (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
6		24	25	48	126	10	*1
7		24	25	48	126	10	*1
8	1/2"	24	25	48	122	10	*1
9	1/2	28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

14100A (inch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
1/4		24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8	1/2"	28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

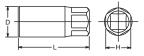
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 →P268-269

# Tolerance/Tolerancia

	00M im)	14100A (inch)		
6	5.6- 6	1/4	6 - 6.4	
7	6.6- 7	5/16	7.6- 8	
8	7.6- 8	3/8	9 - 9.6	
9	8.4- 9	7/16	10.5-11.1	
10	9.4-10	1/2	12.1-12.7	
12	11.4-12			

# 6100M O Stud Pullers Extractores de Espárragos



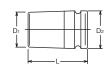




# 14100M · 14100A



Impact Stud Pullers Extractores de Espárragos de Impacto





1418 O Stud Puller Ratchets
Extractores de Espárragos de Carraca



141 O Stud Puller Ratchets
Extractores de Espárragos de Carraca



Stud Puller Ratchets Extractores de Espárragos de Carraca 141P O





The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño.

Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca 1201



4104 O Stud Puller Extractor de Espárragos





141S (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	Д¯Д (g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

141 (mm)	D (mm)	L (mm)	Д¯Д (g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	₫Д (g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

141P (mm)	D (mm)	L (mm)	₫∄ (g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1



1201	4 Pieces Set/ὧື∄=973g
METAL CASE:W240×H100×T32mm	
PULLER	
141S Stud Puller Ratchet 6, 8, 10, 12	

		Tole	rance	D	L		圏
		min	max	(mm)	(mm)	(g)	(pcs.)
4104	1/2"	φ6	φ19	54	56	489	2

6(1.0) 54 10.3 22 9 37 10 7(1.0) 11.5 22 10 37 58 10 10 8(1.25) 13.2 22 11 37 60 1/2" 10(1.25) 15.3 23 13 44 86 10 10(1.5) 15.3 23 13 44 86 10 12(1.25) 17.8 23 14 44 86 10 12(1.75) 17.8 23 14 44 86 10

	4103A (inch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	1/4(28)		10.7	22	9	37	55	10
New	5/16(18)		13.2	22	11	37	61	10
New	5/16(24)	1/2"	13.2	22	11	37	61	10
New	3/8(16)	1/2	14.6	22.9	12	44	84	10
New	7/16(14)		16.5	22.9	14	44	85	10
New	1/2(13)		19	22.9	14	44	88	10

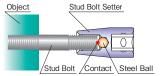
Н

STUD BOLT SETTER

Depend on the stud bolt and using torque, 4103M/4103A/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

4203M METAL CASE:W130×H65×T26mm **4103M** Stud Bolt Setters 6(1.0), 8(1.25), 10(1.5), 12(1.75) 4203MF

METAL CASE:W130×H65×T26mm 4103M Stud Bolt Setters 6(1.0), 8(1.25), 10(1.25), 12(1.25)



A special socket for installing a stud bolt. Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anticlockwise to removing the socket.

13103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
5(0.8)		9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)	3/8"	12.5	19	10	32	44	10	*1
8(1.25)	3/6	13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

14103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
6(1.0)		12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)	1/2"	17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

\*1 C-Ring=C41,Pin/O-Ring=A41/B41 -> P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a begins on the stud bolts or got stuck itself during a work.



Stud Bolt Setters Set Juego de Vasos para apretar Pernos

4103M · 4103A O Stud Bolt Setters Vasos para apretar pernos

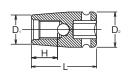


13103M O



Impact Stud Bolt Setters Vasos para apretar Pernos de Impacto





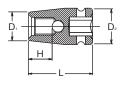






Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto

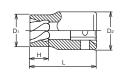






2127 O NUTTWISTER® AFLOJA TUERCAS







2127 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
4		7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6	1/4"	9.5	13	6	23	14	10
7	1/4	10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10

RS2127/6 Socket Set on Rail Juego de Vasos en Regleta

RS2127/6	6 Pieces Set/Rail 150mm	₫Д (g)
4, 4.5	, 5, 5.5, 6, 7	105

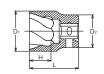
RS2127/10 O Juliu Socket Set on Rail Juego de Vasos en Regleta



RS2127/10	10 Pieces Set/Rail 150mm	(g)
	4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5,10	180

3127 O NUTTWISTER® AFLOJA TUERCAS





3127 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
8		11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12	3/8"	17	19	12	32	44	10
13	5/0	18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	16	35	80	10
19		26	22	16	35	92	10

RS3127/8 O Socket Set on Rail Juego de Vasos en Regleta



RS3127/8	8 Pieces Set/Rail 200mm	₫ <u>¼</u> (g)
	8, 9, 10, 11, 12, 13, 14, 16	420

3128.80 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8		11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11	3/8"	16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

3128-80 🔾 NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga)



NUTTWISTER® AFLOJA TUERCAS 





RS4127/6	6 Pieces Set/Rail 200mm	Д́Д (g)
	17, 19, 21, 22, 24, 25.4	960

D<sub>2</sub> (mm)

D<sub>1</sub> (mm)

19.7

23.5

29.5

33.5

1/2"

H (mm)

RS4127/6 O Juliu Socket Set on Rail Juego de Vasos en Regleta



NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga) 4128-120



4128.120 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
17		23.5	30	16	120	227	10
19	1/2"	26	30	16	120	247	10
21	1/2	28	30	17	120	262	10
22		29.5	30	17	120	259	10

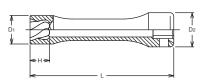


(mm)

25.4

A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afiladas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.





3129-32 BOLTTWISTER® AFLOJA PERNOS



	D <sub>1</sub>
--	----------------

3129.32 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
2		2	19	32	32	10
3		3	19	32	33	10
4	3/8"	4	19	32	33	10
6	3/6	6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

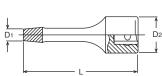
RS3129/6-L32 Socket Set on Rail Juego de Vasos en Regleta



RS3129/6-L32	6 Pieces Set/Rail 150mm	₫Д (g)
	2, 3, 4, 6, 8, 10	250

BOLTTWISTER® AFLOJA PERNOS 3129-60





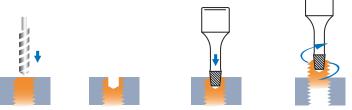
3129.60 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
2		2	19	60	38	10
3	3/8"	3	19	60	42	10
4		4	19	60	44	10
6	3/6	6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

RS3129/6-L60

Socket Set on Rail
Juego de Vasos en Regleta



RS3129/6-L60	6 Pieces Set/Rail 150mm	₫Д (g)	
2, 3, 4, 6, 8, 10			



Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER $^\circ$  presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4- 2.6
3	M6	φ 3.2- 3.5
4	M8	φ 4.2- 4.5
6	M10-M12	φ 6.2- 6.5
8	M14-M16	φ 8.2- 8.5
10	M18-M20	φ 10.2–10.5
12	M22-M24	φ 12.2–12.5
14	M27-M30	φ14.2–14.5
16	M33	φ 16.2–16.5

4129.37 (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12	1/2"	12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

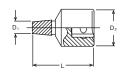
4129.37 (mm)	Ø	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	
8		8	24	37	59	10	
10		10	24	37	63	10	
12	1/2"	12	24	37	67	10	
14		14	24	37	72	10	
16		16	24	37	78	10	

RS4129/5-L37	5 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 14, 16	370

4129.75 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	∆ Д (g)	(pcs.)
8		8	24	75	80	10
10		10	24	75	94	10
12	1/2"	12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10
10		10	24	73	130	10

RS4129/5-L75	5 Pieces Set/Rail 150mm	Д¯Д (g)
8, 10, 12, 14, 16		

# BOLTTWISTER® AFLOJA PERNOS 4129-37





Socket Set on Rail
Juego de Vasos en Regleta RS4129/5-L37

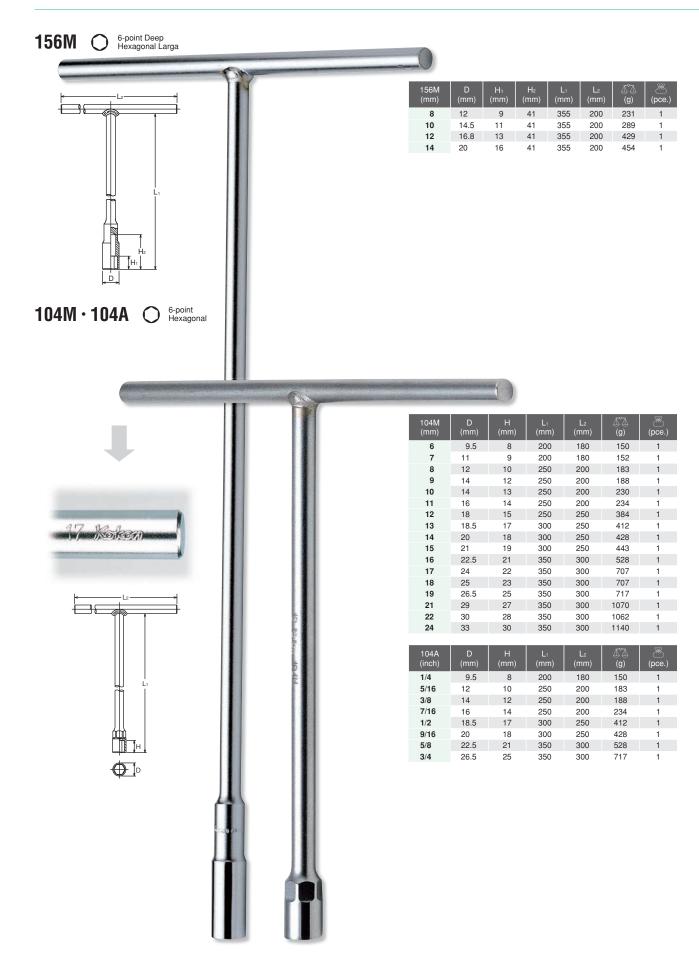


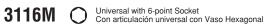
BOLTTWISTER® AFLOJA PERNOS 4129-75

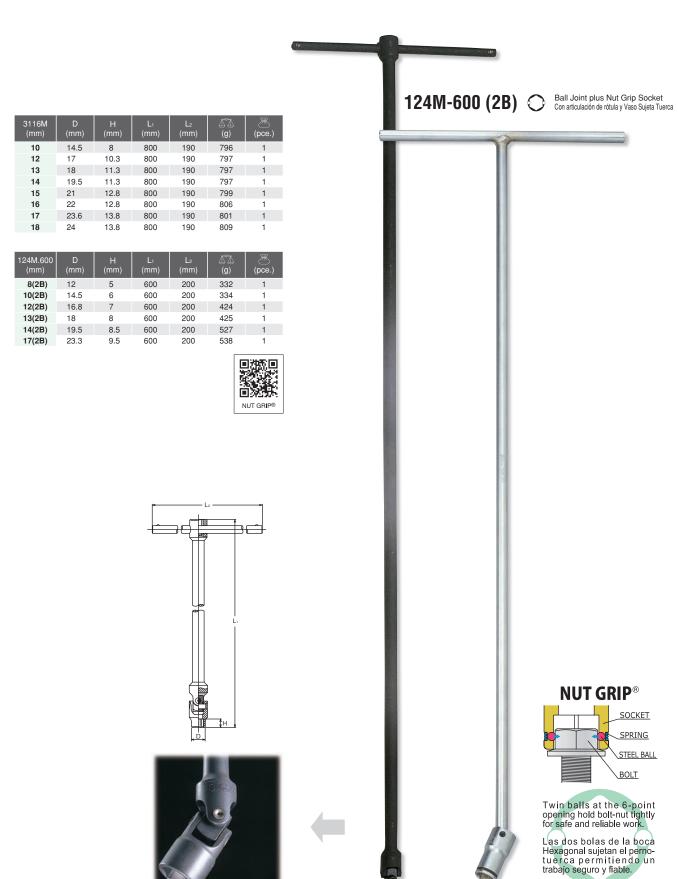


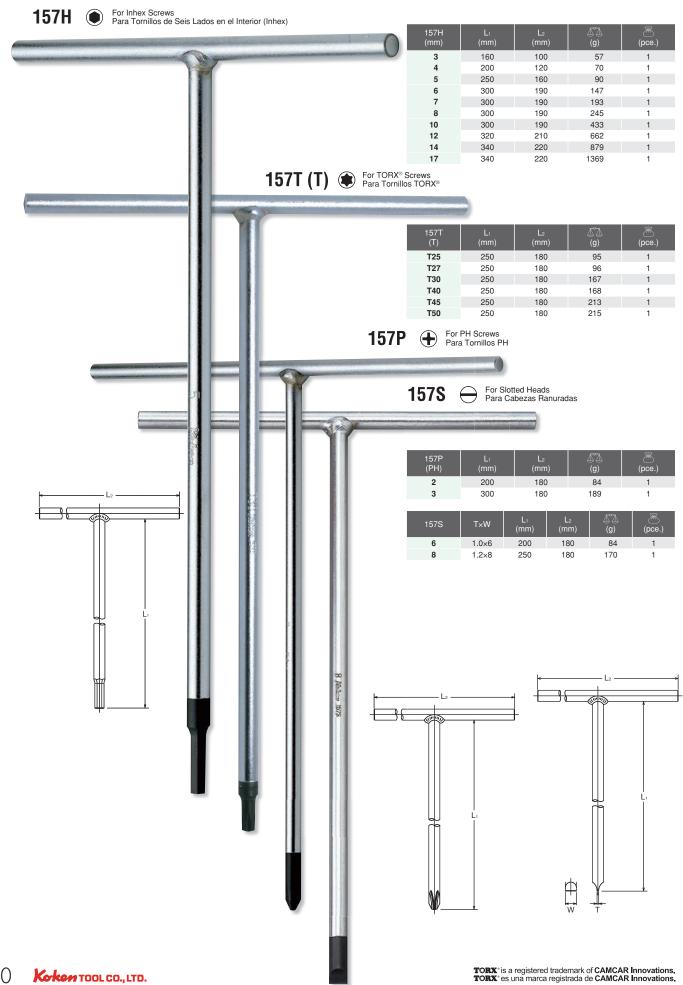












160

IMPACT SCHEWDRIVERS ACCESSORIES
DE IMPACTO DESTORNILLADORES ACCESORIOS



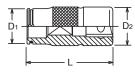


□2.1× ø2.8 6.8 45 10  $\square 2.7 \times \text{ Ø}3.5$ 8 40 □3.4× ø4.5 9.5 18 40 47 10 □4.9× ø6 11.5 18 40 48 10 3/8" □5.5× ø7 12.5 18 40 49 10 □7 × ø9 15 18 40 48 10 □9 ×ø11 17 18 40 48 10 □9 ×ø12 18 18 40 48 10



3131E

Tap Holder Adaptadores para machos de terrajas



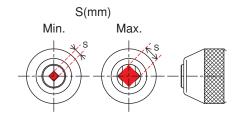


For DIN352, DIN351, DIN2181, DIN5157 tap

3264	10 Pieces S	Set/△∑=1,050g
METAL CASE:W240×H100×T32	mm	
Sockets	Accessorie	es
3131E □2.1×ø2.8, □2.7×ø3.5, □3.4×ø4.5, □4.9×ø6, □5.5×ø7, □7×ø9, □9×ø11, □9×ø12,		160K 3760-125

21214		S(mm)		L	$\mathbb{Z}\mathbb{Z}$	$\Diamond$
3131A		Min.	Max.	(mm)	(g)	(pcs.)
1	3/8"	2.0	5.0	42	80	5
2	3/6	4.5	8.0	47	100	5

4131A		S(mm)		L	<b>L</b> A	$\Diamond$
4131A		Min.	Max.	(mm)	(g)	(pcs.)
3	1/2"	5.5	12	69	400	2





	$\square$	C (mm)	L (mm)	₫Д (g)	(pce.)
160K	3/8"	10	220	130	1
160K-1/2	1/2"	10	220	135	1

		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	d (mm)	A (mm)	L (mm)	Д¯Д (g)	(pcs.)
3132-20	3/8"	28	7	17	8	45	60	130	5
4132-25	_	34	9	22	14	40	60	170	2
4132-38	1/2"	48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2



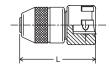
Die is not included.

3264 Tap Holder, Set Juego de adaptadores para machos de terrajas



3131A Tap Holder, Adjustable Adaptadores para machos de terrajas

4131A

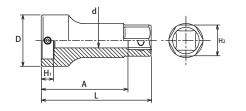




160K Handle Llave







# 102NM • 102NA O Without Reverse Lever Sin palanca de inversión

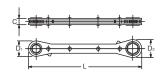




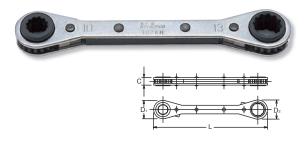
# 102KM · 102KA O Reversible Reversible





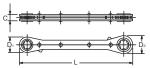


# 102KW.BH With Twin Openings (Two-in-One) Con Bocas Gemelas (Dos en Uno)



Reversible TORX® Reversible TORX®





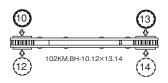
102NM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
11×13	145	23.6	24.6	9	112	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	60	10
$1/4 \times 9/32$	108	15.3	16.4	7.5	60	10
$1/4 \times 5/16$	108	15.3	16.4	7.5	60	10
5/16×11/32	134	17.1	19.7	7.5	80	10
5/16× 3/8	134	17.1	19.7	7.5	80	10
$3/8 \times 7/16$	140	20.1	22.7	7.5	87	10
7/16× 1/2	145	23.6	24.6	9	112	10
$1/2 \times 9/16$	145	23.6	24.6	9	112	5

102KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	10
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17	200	27.1	31.8	11.5	200	5

102KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	Д°Д (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.2	51	10
$1/4 \times 5/16$	108	15.3	16.4	7.2	51	10
5/16×11/32	134	17	20	9	76	10
$3/8 \times 7/16$	141	21	23.5	9.1	84	10
$1/2 \times 9/16$	146	24	25	9.1	89	5

102KM.BH (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
5.5• 6× 7• 8	108	15.3	16.4	10	60	10
8 •10×12•13	141	21	23.5	13	87	10
9 •10×11•12	141	21	23.5	13	87	10
10 •12×13•14	146	24	25	13	98	10
13 •14×15•17	200	27.1	31.8	16	200	5



102KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
E 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

103KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
6× 7	108	15.3	16.4	7.5	51	5
7× 8	108	15.3	16.4	7.5	51	5
8× 9	134	17	20	9	76	5
8×10	134	17	20	9	76	5
10×11	140	21	23.5	9	84	5
10×12	140	21	23.5	9	84	5
12×13	145	24	25	9	89	5
12×14	145	24	25	9	89	5

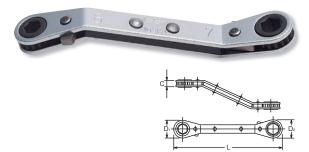
103KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	51	5
$1/4 \times 5/16$	108	15.3	16.4	7.5	51	5
5/16×11/32	134	17	20	9	76	5
5/16× 3/8	134	17	20	9	76	5
$3/8 \times 7/16$	140	21	23.5	9	84	5
7/16× 1/2	145	24	25	9	89	5
$1/2 \times 9/16$	145	24	25	9	89	5

103KA.BH (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
1/4×5/16	108	15.3	16.4	7.5	51	5
3/8×7/16	140	21	23.5	9	84	5
1/2×9/16	145	24	25	9	89	5

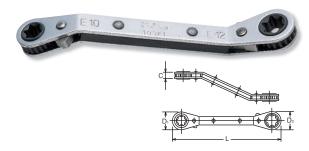
103KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫₫ (g)	(pcs.)
E 4×E 6	104	15.3	16.4	7.5	51	5
E 6×E 8	104	15.3	16.4	7.5	51	5
E10×E12	128	17	20	9	76	5
E14×E16	139	24	25	9	89	5

R810 (inch)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
1/4×5/16	108	15.3	16.4	7.5	60	10
3/8×7/16	140	20.1	22.7	7.5	87	10
1/2×9/16	145	23.6	24.6	9	112	10

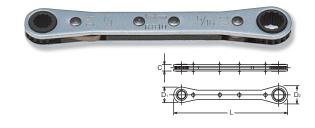


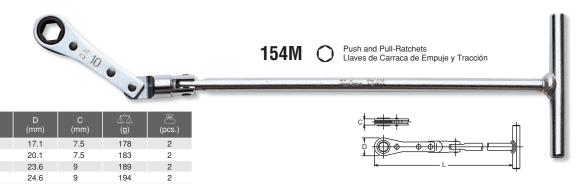






Reversible Reversible R810

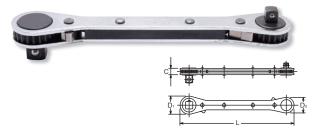




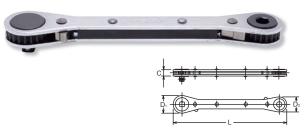


24.6

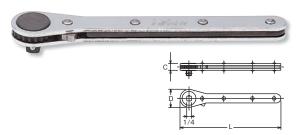
137 For 1/4" and 3/8" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



138 For Bits 101 Para Puntas 101



For 1/4" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4"



145KM-10H Reversible, 10mm 6-point Reversible, 10mm Hexagonal



150-10H O Sockets with 10mm 6-point Drive End Vasos con Conductor Hexagonal 10mm





Sockets with 10mm 6-point Drive End in Set with Ratchet Juego de Vasos con Conductor Hex con Llave de Carraca 1203



	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
137	141	23.5	21	9	104	5
1/4"× 3/8"						

	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
138	141	23.5	21	9	97	10
1/4" × 1/4"						

L (mm)	D (mm)	C (mm)	₫ <u>¯</u>	(pcs.)

	(mm)	(mm)	(mm)	(g)	(pcs.)
139	125	20.1	7.5	80	10
1/4"					

145KM (mm)	L (mm)	D (mm)	C (mm)	Д¯Д (g)	(pcs.)
10H	125	20.1	7.5	72	10



145KM-10H+150.10H-8 2753N+2400M-8

150.10H (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

1203	7 Pieces Set/⊿ື⊿=250g
METAL CASE:W130×H65×T20m	nm
Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	145KM-10H

R810A	5 Pieces Set/△T₄=208g
METAL CASE:W130×H65×T20m	ım
Bits	Accessory
101P PH Bits 1, 2, 3	0 0 0 102NA-1/4×5/16
101S Slotted Bit 1×7	

R810B	10 Pieces Set/ὧ∄=268g
METAL CASE:W130×H65×T20m	ım
Bits	Accessory
101P PH Bits 1, 2, 3	0 0 102NA-1/4×5/16
101S Slotted Bit 1×7	
128H Hex Bits 3, 4, 5, 6, 8	

R810C	12 Piece	es Set/』 =227g
METAL CASE:W130×H65×T20m	nm	
Bits,Sockets	Accesso	ries
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7		102NA-1/4×5/16 101A
<b>2400M</b> Sockets 5, 6, 7, 8, 9, 10		

R810D METAL CASE:W130×H65×T20m		es Set/ὧ∄=336g
Bits,Sockets	Accesso	ries
101P PH Bits 1, 2, 3	0 0 0	102NA-1/4×5/16
101S Slotted Bit 1×7		101A
128H Hex Bits 3, 4, 5, 6, 8		
2400M Sockets 5, 6, 7, 8, 9, 10		















101P PH Bits Puntas PH





101P (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10





1018	D (mm)	L (mm)	₫Д (g)	(pcs.)	
1.0×7	6.35	15	3	10	
1.2×7	6.35	15	3	10	

101H Hex Bits Puntas Hexagonales

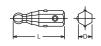




101H (mm)	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

Ball point Hex Bits
Puntas Hexagonales con bola 101B





101B (mm)	D (mm)	L (mm)	∆ ∆ (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

Ball point bits have less strength due to the special design. Ball point bits have less surerigh.

Make sure to use them correctly.

101T (T)		TORX® Bits Puntas TORX®
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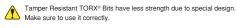
T 9     6.35     25     4     10       T10     6.35     25     4     10       T15     6.35     25     5     10
<b>T15</b> 6.35 25 5 10
T00 0.05 0.5 5 10
<b>T20</b> 6.35 25 5 10
<b>T25</b> 6.35 25 5 10
<b>T27</b> 6.35 25 6 10
<b>T30</b> 6.35 25 6 10

Tamper-Registant TORX® Bits Punta TORX®, indeformable
,





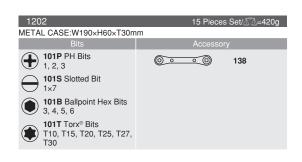
101T (TH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

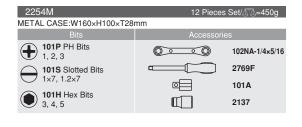


128H (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

128T (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	₫Д (g)	(pcs.)
	8	6.35	20	8	10











128T TORX® Bits Puntas TORX®





101A Adaptor Adaptador













3112N Attack Driver Destornillador de Impacto





		L (mm)	₫ <u>¯</u> (g)	(pce.)
3112N	2/9"	159	730	1
3112G	3/0	159	810	1

\* 3112N Renewal Kits → **3112RK** → P321

		L (mm)	Ø∄ (g)	(pce.)
4112N	1/0"	163	730	1
4112G	1/2	163	810	1

\* 4112N Renewal Kits → **4112RK** → P321

		L (mm)	₫∄ (g)	(pce.)
6112	3/4"	190	1900	1

\* Renewal Kits → 6112RK → P321



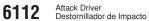
Attack Driver Destornillador de Impacto 4112N



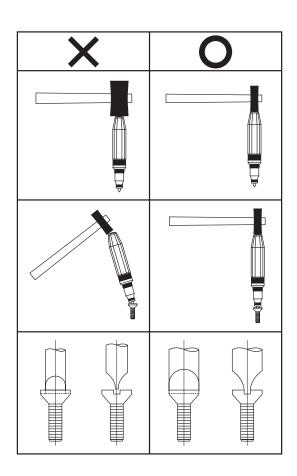


Black finished head prevents peeling off the chrome plate by striking









AN318A METAL CASE:W190×H59×T45mm 6 Pieces Set/ὧື⊒=1,070g 100P.32 PH Bits 2, 3 3112N 3138 100S.32 Slotted Bits

AN112A	6 Pieces Set/	∑∄=1,070g
METAL CASE:W190×H59×T45mm		
Bits	Accessorie	
100P.32 PH Bits 2, 3 100S.32 Slotted Bits 9, 11		4112N 4138

100P, S Bits → P174

AG318A	6 Pieces Set/△□=1,150g
METAL CASE:W220×H82×T60mm	
Bits	Accessories
100P.32 PH Bits 2, 3	3112G
100S.32 Slotted Bits 9, 11	3138
AG112A	6 Pieces Set/♨७=1,150g
METAL CASE:W220×H82×T60mm	
Bits	Accessories
100P.32 PH Bits 2, 3	@[ 4112G
100S.32 Slotted Bits 9, 11	4138

AN112C	8 Pieces Set/	∬∄=1,350g
METAL CASE:W220×H82×T60mm		
Bits	Accessorie	
100P.80 PH Bits 1, 2, 3		4112N
100S.80 Slotted Bits 7, 9, 12		4138

100P, S Bits →P174

100P, S Bits → P174

AG112F	25 Pieces Set/為	∑=1,530g
METAL CASE:W220×H82×T60mm		
Bits	Accessories	
100P.32 PH Bits 2, 3		4112G
100P.32 PZ Bits PZ2, PZ3		4138
100S.32 Slotted Bits 9, 11		
100H.32 Hex Bits 4, 5, 6, 7, 8, 10		
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50		
100X.32 XZN Bits M5, M6, M8, M10, M12		
100P, S, H, T, X Bits → P174-175		

AG112H	18 Pieces Set/∆	∑_=1,480g
METAL CASE:W220×H82×T60mm		
Bits	Accessories	;
100P.32 PH Bits 2, 3, 4		4112G
100S.32 Slotted Bits 8, 9, 10, 12, 14		4138
100H.32 Hex Bits 5, 6, 8, 10		
100T.32 TORX® Bits T30, T40, T45, T50		
100P, S, H, T Bits → P174		

# **AN318A AN112A**

Attack Driver Set Juego de Destornilladores de Impacto



# **AG318A AG112A**

Attack Driver Set Juego de Destornilladores de Impacto



# **AN112C** Attack Driver Set Juego de Destornilladores de Impacto



# Attack Driver Set Juego de Destornilladores de Impacto **AG112F**



**AG112H** Attack Driver Set Juego de Destornilladores de Impacto



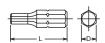
108P-25 · -32 · -50 ⊕ PH Bits Puntas PH





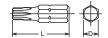
Hex Bits Puntas Hexagonales 108H-25 •





TORX® Bits Puntas TORX® 108T-25 (T)





108T-25 (TH) 🕸



Tamper-Registant TORX® Bits Punta TORX®, indeformable



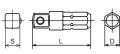




Tamper Resistant TORX® Bits have less strength due to special design.

Adaptor Adaptador 108A





108P.25 (PH)	D (mm)	L (mm)	Д¯Д (g)	
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10
108P.32 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10
108P.50 (PH)	D (mm)	L (mm)	₫₫ (g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S.25	T×W (mm)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10
108S.39	T×W (mm)	D (mm)	L (mm)	₫∄ (g)	∭ (pcs.)
108S.39			L (mm) 39		$\sim$
	(mm)	(mm)	` '	(g)	(pcs.)
3	(mm) 0.5×3	(mm) 6.35	39	(g) 6	(pcs.)
3 4	(mm) 0.5×3 0.6×4	(mm) 6.35 6.35	39 39	(g) 6 6	(pcs.) 10 10
3 4 4.5	(mm) 0.5×3 0.6×4 0.6×4.5	(mm) 6.35 6.35 6.35	39 39 39	(g) 6 6 6	(pcs.) 10 10 10
3 4 4.5 5	(mm) 0.5×3 0.6×4 0.6×4.5 0.8×5	(mm) 6.35 6.35 6.35 6.35	39 39 39 39	(g) 6 6 6 7	(pcs.)  10  10  10  10  10

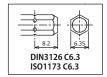
108H.25 (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10
108H.25 (inch)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10

108T.25 (T)	D (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T.25 (TH)	D (mm)	L (mm)	₫` <u>¼</u> (g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

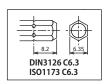
108A.25	S	D (mm)	L (mm)	₫Д (g)	∭ (pcs.)
1/4B	1/4"	6.35	25	10	10

	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10



		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12139-1/4	1/4"	11	13	25	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	35	62	10	*3

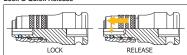
- \*1 Pin/O-Ring=A21/B21 \*2 C-Ring=C31, Pin/O-Ring=A31/B31
- →P268-269 \*3 C-Ring=C41, Pin/O-Ring=A41/B41

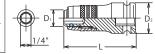


	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

# Lock & Quick Release

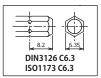


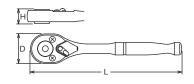


You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1





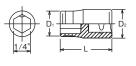


2137 O Bit Holder Porta-punta 3137 🔾 4137 🔾



DIN3126 C6.3 ISO1173 C6.3



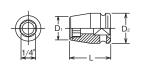




Impact Bit Holder Porta-punta de Impacto 12139 13139 0 14139 🔾









13142-D6.3 O Impact Bit Holder for 1/4" (6.3) Bits Porta-punta de Impacto para Puntas 1/4" (6.3) 14142-D6.3 O



Reversible Ratchet, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4" 2749P-1/4HF



Flexible Ratchet, Reversible, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4" 2774P-1/4HF



RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTORES INDUSTRIALES DE IMPACT SCREWDRIVERS ACCESSORIES ACCESSORIOS DE IMPACTO DESTORNILLADORES ACCESORIOS



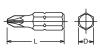
100P.32 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P.80 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10
100P.125 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

**100P-32 (PZ)** PZ Bits Puntas PZ







100P.32 (PZ)	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

Bits for Slotted Head Puntas Rectas/Planas 100S-32 ⋅ -80 ⊖

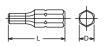


100S.32	T×W (mm)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

100S.80	T×W (mm)	D (mm)	L (mm)	₫¼ (g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

Hex Bits Puntas Hexagonales 100H-32 



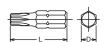


100H.32 (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T) TORX® Bits Puntas TORX®







100T.32 (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

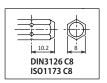
•5/16"

100T.32 (TH)	D (mm)	L (mm)	₫¼ (g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

100X.32 (XZN)	D (mm)	L (mm)	∆^∆ (g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

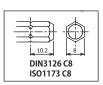
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10



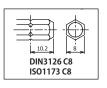
	$\square$	D <sub>1</sub> (mm)	D₂ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
12140-5/16	1/4"	14	13	25	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	35	62	10	*3

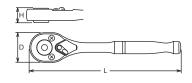
\*1 Pin/O-Ring=A21/B21 \*2 C-Ring=C31, Pin/O-Ring=A31/B31 \*3 C-Ring=C41, Pin/O-Ring=A41/B41

→P268-269



	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1

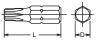








DIN3126 C8 ISO1173 C8

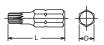




# 100X-32 (XZN)



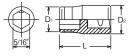






2138 O Bit Holder Porta-punta 3138 O 4138 O





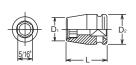


Impact Bit Holder Porta-punta de Impacto 12140 13140 0











Reversible Ratchet, for Bits 5/16" Llave de Carraca Reversible, para Puntas 5/16" 2749P-5/16HF



2774P-5/16HF



Flexible Ratchet, reversible, for Bits 5/16" Llave de Carraca Reversible, para Puntas 5/16"



**121P-50 · -70 · -100 · -150** ⊕ PH Bits Puntas PH



121P.50 (PH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	_	50	13	10





121H.50 (mm)	D (mm)	R (mm)	L (mm)	ДД (g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	_	50	14	10

**121T-50 · -70 · -100 · -150 (T) (T) (T) (TORX® Bits** Puntas TORX®



121T.50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

121P.70 (PH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	-	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	₫₫ (g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	-	150	36	10

121H.70 (mm)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H.100 (mm)	D (mm)	R (mm)	L (mm)	Д°Д (g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	_	100	26	10

121H.150 (mm)	D (mm)	R (mm)	L (mm)	∆~∆ (g)	(pcs.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	_	150	39	10

121T.70 (T)	D (mm)	R (mm)	L (mm)	Д¯Д (g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	-	70	18	10

121T.100 (T)	D (mm)	R (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T.150 (T)	D (mm)	R (mm)	L (mm)	₫₫ (g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

T15H 6.35 3.5 70 15 10 70 T20H 6.35 4 1 16 10 6.35 4.6 70 16 10 T25H T27H 6.35 5.2 70 17 10 T30H 6.35 5.7 70 17 10 T40H 6.35 70 18 10

121T.100 (TH)	D (mm)	R (mm)	L (mm)	₫¼ (g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	_	100	26	10

Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

121T.50 (IP)	D (mm)	R (mm)	L (mm)	₫Д (g)	∭ (pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

121T.70 (IP)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	3/0	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

\*1 Pin/O-Ring=A21/B21

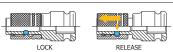
\*2 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
\*3 C-Ring=C41, Pin/O-Ring=A41/B41

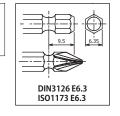
	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

\*1 Pin/O-Ring=A21/B21

\*2 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
\*3 C-Ring=C41, Pin/O-Ring=A41/B41

# Lock & Quick Release

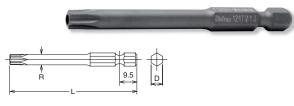




You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.





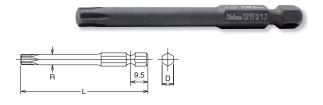


121T-50 · -70 (IP)



TORXPLUS® Bits Putas TORXPLUS®

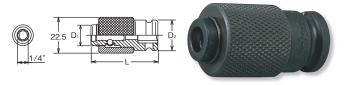
TORX pleas



13137H



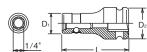
Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)



12137E O

Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

13137E 0 14137E O

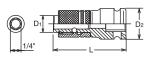




12142-F6.3 13142-F6.3 Impact Bit Holder for 1/4"(6.3) Bits
Porta-punta de impacto para Puntas 1/4"(6.3)



14142-F6.3





**Nut Setter** 



123PT (PH)	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10

TORSION

123PN-75 • -100 Double Ended Bits Puntas PH, simétricas **123PG-75 ⋅ -100** ♠ Magnetic type



123PN.75 123PG.75 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10
123PN.100 123PG.100	D (*****)	L (*****)	<u> </u>	<u></u>

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

165LM	0	Slide Socket with Magnet		
	1		Magnet	1/4"

165LM.45 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove. Ring magnet holds a bolt or nut for easy work.

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

The magnet could be broken with any impacts. Please handle with care.



**165BM** O Double-sided socket with side magnets

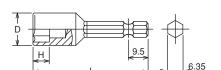
# PH Bit



8 Kesteen 1653H 10		
	MAGNET	MAGNET

165BM (mr		D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)
New 8×1	13	16	5	6	70	55	10
165BM (mr		D <sub>2</sub> (mm)	H₁ (mm)	H₂ (mm)	L (mm)	ДД (g)	(pcs.)
New 10×	<b>12</b> 16	19.1	6	8	80	80	10
New 10×	<b>13</b> 16	20.5	8	8	80	80	10
165BM (mr		D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)
New 10×	<b>12</b> 16	19.1	8	8	100	95	10
New 10×	<b>14</b> 16	21.5	8	10	100	105	10
New 12×	<b>14</b> 19.1	21.5	8	10	100	130	10

DIN3126 E6.3 ISO1173 E6.3



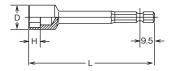
	113.50 (mm)	D (mm)	H (mm)	L (mm)	Ø∆ (g)	(pcs.)
	5.5	9	4	50	15	10
	6	10	5	50	17	10
	7	11	5	50	19	10
	8	12	6	50	20	10
	10	14.2	7	50	24	10
New	11	16	8	50	28	10
	12	17	8	50	39	10
	13	18	8	50	42	10
	14	19	9	50	46	10

113-50 O Nut Setters Vasos para apretar tuercas Hexagonales



113.50 (inch)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	25	10
1/2	18	8	50	42	10

113-75 · -100 · -150 · -200 · -250  $\bigcirc$ Nut Setters Vasos para apretar tuercas Hexagonales



113.75 (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113.150 (mm)	D (mm)	H (mm)	L (mm)	Д́Д (g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113.250 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113.50 (E)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

	113.50 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
	7(2B)	11	5	50	20	10
	8(2B)	12	6	50	21	10
	10(2B)	14.2	7	50	26	10
New	12(2B)	16	8	50	28	10
	13(2B)	18	8	50	31	10
	113.50 (inch)	D (mm)	H (mm)	L (mm)	ДД (a)	(pcs.)

50

26



113.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

113.200 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113-50 (E)



Nut Setters, TORX® Vasos para apretar tuercas, TORX®

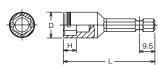


113-50 (2B)



Nut Setters Nut Grip<sup>®</sup> Vasos para apretar tuercas con 2 bolas







3/8(2B)

14.2

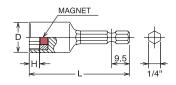


115-50 MG Nut Setters with Magnet Vasos para tuercas con Imán





	115.50 (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
	5.5	9	2.1	50	15	10
	6	10	2.4	50	17	10
	7	11	2.8	50	19	10
	8	12	3.5	50	20	10
	10	14.2	4.2	50	29	10
New	11	16	4.9	50	35	10
	12	17	5.6	50	40	10
	13	18	6	50	50	10
	14	19	6.4	50	60	10

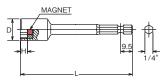


115.50 (inch)	D (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10





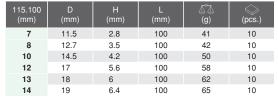




115.75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115.150 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

115.250 (mm)	D (mm)	H (mm)	L (mm)	Ø∆ (g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10

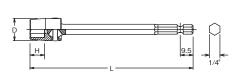


115.200 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10



DIN3126 E6.3 ISO1173 E6.3







113UN.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	13	7	100	50	10
10	<b>10</b> 15		100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10
113UN.150	D (mm)	H (mm)	L (mm)	(a)	(pos )

BUN.150 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN.200 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

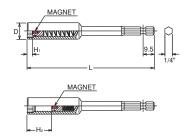


115G-75 · -100 · -150 · -200 · -250 · -300



Nut Setters with sliding Magnet Vasos para tuercas con Imán Corredizo







115G.75 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫¼ (g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

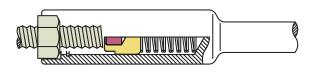
115G.150 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

	115G.250 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
	8	12.7	4	26	250	110	10
	10	14.5	4.5	26	250	120	10
	12	17	6	26	250	130	10
New	13	18	6.5	25	250	150	10

115G.100 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	₫₫ (g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G.200 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

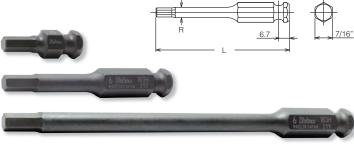
	115G.300 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
New	10	14.5	4.5	26	300	140	10
New	12	17	6	26	300	155	10



Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line

El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.





183H.35 (mm)	L (mm)	Д°Д (g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10 🥂
14	35	35	10
16	35	47	10 🥂
17	35	50	10
18	35	53	10 🥂
19	35	56	10

The items with have larger output size than 7/16" input hex drive. The items with have larger output size than 7/16 input nex unive.

Due to this design the Maximum output torque rating is less than standards.

# DIN3126 E11.2 ISO1173 E11.2

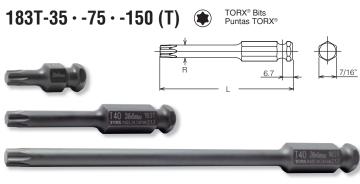
183H.35 (inch)	L (mm)	Д°Д (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	-	57	10	
11	75	-	60	10	
12	75	-	65	10	1
14	75	-	79	10	<u> </u>
183H.150 (mm)	L (mm)	R (mm)	Ø∄ (g)	(pcs.)	

183H.150 (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	_	136	10	1



	183H.75B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)
New	6B	75	5.7	39	10
New	8B	75	7.7	44	10
New	10B	75	9.7	49	10
New	12B	75	11.7	72	10
_					
	183H.150B (mm)	L (mm)	R (mm)	₫Д (g)	∭ (pcs.)
New		L (mm) 150			
New New	(mm)	, ,	(mm)	(g)	(pcs.)
	(mm) 6B	150	(mm) 5.7	(g) 65	(pcs.)
New	(mm) 6B 8B	150 150	(mm) 5.7 7.7	(g) 65 71	(pcs.)



	183T.75 (T)	L (mm)	R (mm)	₫₫ (g)	(pcs.)	
New	T25	75	6	33	10	
New	T27	75	6	33	10	
	T30	75	6	35	10	
	T40	75	6.9	37	10	
	T45	75	8	41	10	
	T50	75	9	45	10	
	T55	75	11.4	55	10	
	T60	75	13.5	67	10	1

DIN3126 E11.2 ISO1173 E11.2
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183T.35 (T)	L (mm)	₫Д (g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10

183T.150 (T)	L (mm)	R (mm)	Д́Д (g)	(pcs.)	
T30	150	6	50	10	
T40	150	6.9	58	10	
T45	150	8	70	10	
T50	150	9	82	10	
T55	150	11.4	113	10	
T60	150	13.5	148	10	1

The items with have larger output size than 7/16" input hex drive. The items with have larger output size than 7/10 πηρώτικο υπίνο.

Due to this design the Maximum output torque rating is less than standards.

XZN Bits Puntas XZN

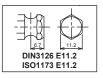
TORXPLUS® Bits Puntas TORXPLUS®

7/16" DIN3126 E11.2 ISO1173 E11.2

183T.35 (IP)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T.75 (IP)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	1

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards



183X.35 (XZN)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X.75 (XZN)	L (mm)	R (mm)	Д¯Д (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	$\triangle$

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

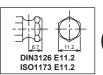
- \*1 C-Ring=C32,Pin/O-Ring=A32/B32

13134-SC



Replacement Screw : M8×6, ● 4mm

For DIN3126 / ISO1173 E11.2 Bits





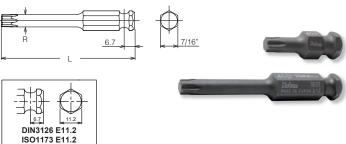
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

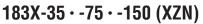
\*1 C-Ring=C32,Pin/O-Ring=A32/B32
\*2 C-Ring=C41,Pin/O-Ring=A41/B41

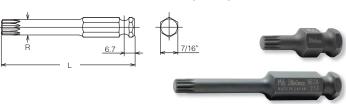
DIN3126 / ISO1173 E11.2 Bits

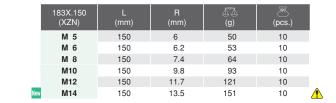




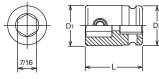








13134 0 Impact Bit Holder Porta-punta de Impacto 14134 16134 O



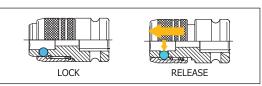




13142-F11.2 O 14142-F11.2

Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)







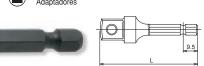
110-35B • -50B • -75B • -100B • -150B • -200B Adaptors Adaptages -35P · -50P · -75P · -100P · -150P · -200P

Adaptors Adaptadores 112-50B · -75B · -100B · -150B · -200B -50P · -75P · -100P · -150P · -200P

001 101 1001	
	9.5
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135E-60B ⋅ -60P





117-50B · -100B Adaptors Adaptadores -50P · -100P



Adaptors

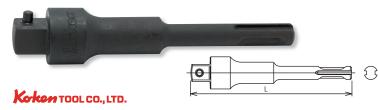
120-50B · -50P



186-75P Adaptors with Pin Adaptadores con Perno



Hammer Drill Adaptor
Adaptador para Taladro de Percusión BD022-120P



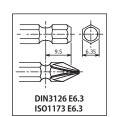
₫⁄₫ (g) TYPE 35B Ball 10 35P 35 10 Ball 50B 50 15 10 50P 15 10 75B Ball 75 25 10 75P Pin 75 25 10 1/4" 100B Ball 100 34 10 100P 100 10 150B Ball 150 54 10 150P 150 10 200B Ball 200 73 10 200P Pin 200 10

DIN 3126 / ISO 1173 Form E 6.3

	112	$\square$	TYPE	L (mm)	₫Д (g)	(pcs.)
	50B		Ball	50	21	10
	50P		Pin	50	21	10
New	75B		Ball	75	46	10
New	75P		Pin	75	46	10
	100B	3/8"	Ball	100	71	10
	100P	3/6	Pin	100	71	10
	150B		Ball	150	121	10
	150P		Pin	150	121	10
New	200B		Ball	200	165	10
New	200P		Pin	200	165	10

DIN 3126 / ISO 1173 Form E 6.3





135E	$\square$	TYPE	L (mm)	₫₫ (g)	(pcs.)
60B	1/0"	Ball	60	46	10
60P	1/2	Pin	60	46	10

DIN 3126 / ISO 1173 Form E 6.3

117	Ø	TYPE	L (mm)	₫¼ (g)	(pcs.)
50B		Ball	50	15	10
50P	1/4"	Pin	50	15	10
100B	1/4"	Ball	100	71	10
100P		Pin	100	71	10

DIN 3126 / ISO 1173 Form G7

120		TYPE	L (mm)	₫Д (g)	(pcs.)
50B	2/2"	Ball	50	27	10
50D	3/0	Din	50	27	10

DIN 3126 / ISO 1173 Form E8

186-75P		L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	75	65	10
1/2	1/2"	75	85	10

DIN 3126 / ISO 1173 Form E11.2



BD022-120P	Ø	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

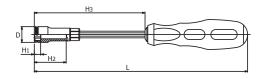
# Screwdrivers









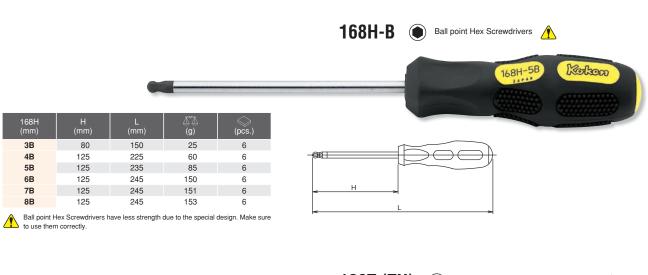


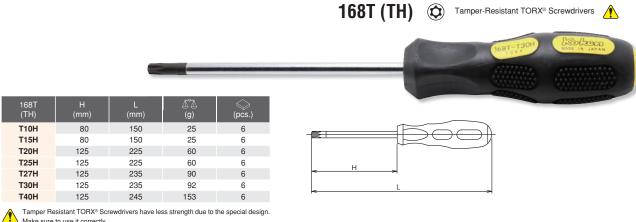


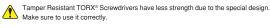
167C(2B) (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	H₃ (mm)	L (mm)	₫∄ (g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

9.1 6 25 125 225 70 6

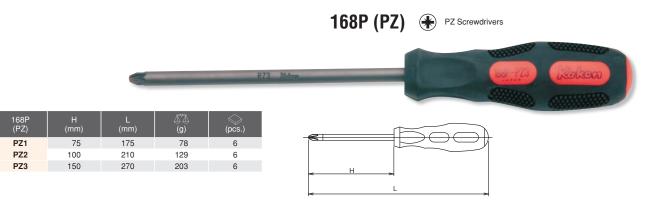
167C/3-2B PLASTIC BAG		4 Pieces Set/ﷺ=280g
	Socket Drivers	
Socket: Grip:	7, 8, 10 167C-GRIP	











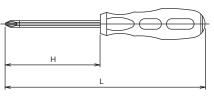


166P Screwdrivers (Blade-Through type) Destornilladores









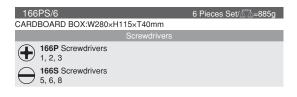
FLAT HAMMERING HEAD	BLADE-THROUGH
Kettem	

166P (PH)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6

## **166PS/6** ⊕ ⊖ Set Juego





### PK166PS/6 $\bigoplus$ Set Juego





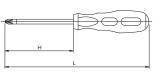




Korkom



1685-8



H (mm) 75

100

150

200

300

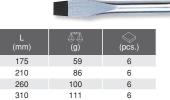
150

2

2(150)

2(200)

2(300)



133

150

168S	H (mm)	L (mm)	ДĨД (g)	(pcs.)
5	75	175	59	6
6	100	210	86	6
6(150)	150	260	100	6
6(200)	200	310	111	6
6(300)	300	410	133	1
8	150	270	150	6

410

168PS/6 CARDBOARD BOX:W280×H115×T40mm 168P Screwdrivers 1, 2, 3

168S Screwdrivers 5, 6, 8

PK168PS/6 PLASTIC TRAY

168P Screwdrivers 1, 2, 3 168S Screwdrivers 5, 6, 8

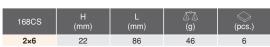


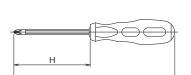
PK168PS/6  $\bigoplus$  Set Juego



168CS ⊕⊖ Interchangeable Screwdrivers, Stubby





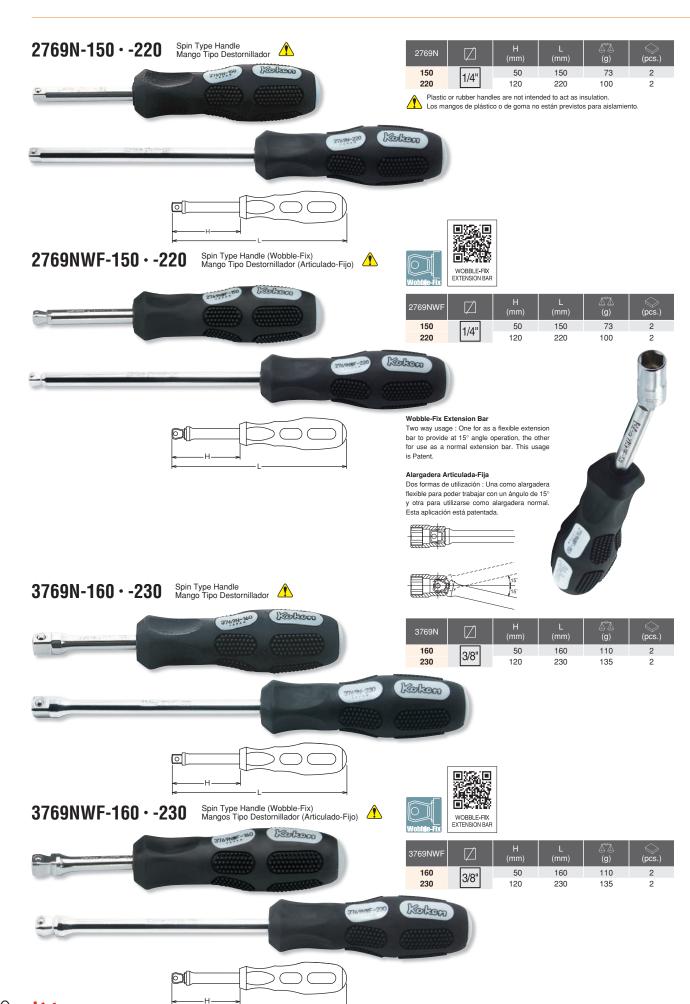


168C	H (mm)	L (mm)	Ø∑ (g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6
, ,				









1/4"

# **Impact Sockets**

3/8"



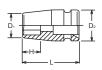
								Squa	are Drive							
Impact	Sockets	1/4"(6. No.	35mm)S	Q. Page	3/8"(9 No.	.5mm)SQ	• Page	1/2"(1:	2.7mm)SC	Page	5/8"(1: No.	5.9mm)S	Q. Page	3/4"(1	9mm)SQ.	• Page
	6-point	12400M 12400A	mm inch	194 194	13400M 13400A	mm inch	197 197	14400M 14400A	mm inch	213 213	15400M 15400A	mm inch	231 231	16400M 16400A	mm inch	233 233
	6-point (Thin walled)	12400A	IIICII	134	13401M	mm	198	14401M	mm	214	13400A	IIICII	231	16401M	mm	234
	(Thin-walled)  6-point (with Magnet)	12400MG	mm	194	13401A 13400MG	inch	198 199	14401A 14400MG	inch	214				16401A	inch	234
	(with Magnet)	12400AG	inch	194	13400AG 13405M	inch	199 197	14405M	mm	213				16405M	mm	233
	12-point				13405A 13406M	inch	197 198	14405A 14406M	inch	213 214				16405A	inch	233
	(Thin-walled)				13406A	inch	198	14406A	inch	214						
	Surface	12410M	mm	194	13410M	mm	199	14410M	mm	215	15410M	mm	231	16410M	mm	234
	PATHFINDER®	12465M	mm	195	13465M	mm	200	14465M	mm	216						
Standard Sockets	TORX® (E)	12425	TORX®	195	13425 13425EG	TORX® TORX®	201 201	14425	TORX®	216				16425	TORX®	235
	TORXplus® (EP)				13425-EPL	TORXplus®	201	14425-EPL	TORXplus®	216				16425-EPL	TORXplus®	235
	TORXplus® (EPR)				13425-EPRL	, TORXplus®	201									
	CH-S				13401LH	LH-STIX®	202	14401LH	LH-STIX®	217						
	for Self Tapping Screws	12460M 12460A	mm inch	195 195	13460M 13460A	mm inch	200 200									
	for Self Tapping Screws (with Magnet)	12460MG 12460AG	mm inch	195 195	13460MG 13460AG	mm inch	200 200									
	Double Square							14415M	mm	216						
	for Weld Nut				13400-WN		202	14400-WN		217						
Short Sockets	6-point (Thin-walled)				13401MS	mm	199	14401MS	mm	215						
	6-point				13301X	mm	202	14301X	mm	217				16301X	mm	236
Semi Deep Sockets	(Thin-walled)  6-point (with Slide Magnet)				13300XG	mm	203									
	O (maronao nagina)	12300M		400	13300M	mm	203	14300M	mm	218	15300M		222	16300M	mm	236
	6-point	12300141	mm	196	13300A 13301M	inch	203	14300A 14301M	inch	218 218	15500191	mm	232	16300A 16301M	inch	236
	(Thin-walled)				13301A	inch	203	14301A	inch	218				16301A	inch	237
	6-point (with Slide Magnet)	12300G	mm	196	13300G	mm	204	14300G	mm	220						
	12-point				13305M	mm	204	14305M	mm	219				16305M	mm	237
Deep Sockets	(Thin-walled)				13306M	mm	204	14306M	mm	219						
	Surface				13310M	mm	204	14310M	mm	219	15310M	mm	232	16310M	mm	238
	PATHFINDER®	12365M	mm	196	13365M	mm	204	14365M	mm	220						
	TORX® (E)				13325	TORX®	205	14325	TORX®	220				16325	TORX®	238
	6-point				13145M	mm	210	14145M	mm	226						
Extension Sockets	6-point (with Magnet)				13145MG	mm	210	14145MG	mm	226						
Execusion Society	12-point				13145M(12P)	mm	210									
	6-point				13440M 13440A	mm inch	205 205	14440M 14440A	mm inch	220 220						
40	6-point				13146M	mm	211	14146M	mm	226						
Universal Sockets	(Extension) TORX®				13440T	TORX®	205									
	(E)							440401		204						
Bit Sockets	Hexagon TORX®				13012M	mm	206	14012M	mm	221						
	(T)				13025	TORX®	206	14025	TORX®	221				16106-16	mm	239
	Hexagon				13134M	mm	209	14134M	mm	224				16107-22	mm	241
Bit Sockets	TORX® (T)				13134T(T)	TORX®	209	14134T(T)	TORX®	224				16106-16(T)	TORX®	239
(Bit changeable)	TORXplus® (IP)				13134T(IP)	TORXplus@	209	14134T(IP)	TORXplus®	224						
	XZN (Triple Square)				13134X(XZN	) XZN	209	14134X(XZN	N) XZN	224				16106-16(XZ	N) XZN	239
*Yan	Hexagon				13430M	mm	205									
Jniversal Bit Sockets	Hexagon (Extension)				13147M	mm	211	14147M	mm	227						
Ex	tension Bars	12760		196	13760		211	14760		227				16760		241
***					13770		212	14770		228	45==0			16770		242
Ur	iversal Joints	12770		196	13771 13772		212 212	14771 14772		228 228	15770		232	16771		242
Ad	aptors	12233A		196	13322A 13344A 13333WA		212 212 212	14433A 14455A 14466A		228 228 228 228	15544A 15566A		232 232	16644A 16655A 16688A		242 242 242
					AVVCCCI		412	14444WA		228	1			HOOOU		242

							Square	e Drive					
Impact	Sockets	1"(25.4	mm)SQ.		1.1/2"(3			1	63.5mm)S	SQ.	3.1/2"(	88 <b>.</b> 9mm)S	SQ.
		No. 18400M		Page	No. 17400M		Page	No.		Page	No.		Pa
	6-point	18400A	mm inch	244 244	17400M 17400A	mm inch	254 254	19400M 19400A	mm inch	258 258	10400M 10400A	mm inch	2
	6-point (Thin-walled)	18401M 18401A	mm inch	245 245									
	6-point (with Magnet)												
	12-point	18405M	mm	245	17405M	mm	255						
	12-point	18405A	inch	245	17405A	inch	255						
	(Thin-walled)												
	Surface	18410M	mm	246									
	PATHFINDER®												
Standard Sockets	TORX® (E)												
	TORXplus® (EP)												
	TORXplus®												
	(EPR)												
	$\sim$												
	for Self Tapping Screws												
	(with Magnet)												
	Double Square												
	for Weld Nut												
Short Sockets	6-point (Thin-walled)												
	6-point	18301X	mm	247									
emi Deep Sockets	(Thin-walled)												
	6-point (with Slide Magnet)	18300M	mm	247	17300M	mm	255						
	6-point	18300A	inch	247	17300M	inch	255	19300M	mm	259			
	6-point (Thin-walled)	18301M 18301A	mm inch	248 248									
	6-point (with Slide Magnet)												
	12-point												
Deep Sockets	12-point												
	(Thin-walled) Surface	18310M	mm	248									
		10010111		240									
	PATHFINDER®												
	TORX® (E)												
	6-point	18104M	mm	246									
Extension Sockets	6-point (with Magnet)												
Extension Sockets	12-point												
	$\sim$												
A man	6-point												
Universal Sockets	(Extension)												
	TORX® (E)												
	Hexagon												
Bit Sockets	TORX® (T)												
	(1) Hexagon	18106-16 18107-22	mm	249 251	17108-32	mm	256						
	TORX®	18108-32	mm mm	252		viii11	200						
Bit Sockets	(T)	18106-16(T)	IORX®	249									
(Bit changeable)	TORXplus® (IP)												
	XZN (Triple Square)	18106-16(XZN)	XZN	249									
-	Hexagon												
niversal Bit Sockets	Hexagon												
	(Extension)	40700		0=1	47700			40=00					
Evel.	ension Bars	18760		252	17760		257	19760		259			
EXI		40770		253				40==0					
-	iversal Joints	18770 18771		253	17770		257	19770		259			
Un	iversal Joints				17770 17788A		257	19770 19977A		259	10099A		2

12400M · 12400A O 6-point Sockets Vasos Hexagonales









# **FLAT DRIVE®**

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

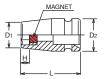
#### 12400MG · 12400AG



6-point Sockets with Magnet Vasos Hexagonales con Imán





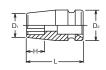


#### 12410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)







#### **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



12400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

12400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

12400AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

12410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

₫7 (g) 10 15 13 10 \*1 11 16.3 13 8 23 18 10 12 17.5 13 9 23 18 10 \*1 13 18.8 13 9 23 20 10

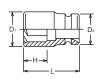
\*1 Pin/O-Ring=A21/B21 → P269



12425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

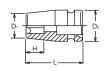
\*1 Pin/O-Ring=A21/B21 → P269







TORX® Sockets Vasos TORX® 12425





**TORX®** 



	E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

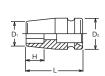
12460M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

#### 12460M · 12460A

Sockets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes





12460MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	W
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

# 12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes



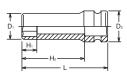






6-point Sockets, Deep Vasos Hexagonales Largos 12300M ()



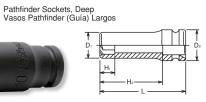


	6
回影歌画	7
<b>家科教</b> 留	8
	10
LELT SERVA	11
FLAT DRIVE®	12
	13

10 13 6 38 48 26 10 11.3 13 38 48 30 10 32 \*1 12.5 13 8 38 48 10 \*1 15 13 10 37 48 34 10 \*1 16.3 13 11 37 48 46 10 \*1 17.5 13 12 37 48 49 10 \*1 18.8 13 13 37 48 52 10 14 20 13 14 48 57 10

\*1 Pin/O-Ring=A21/B21 → P269







12365 (mm		D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	(D)
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

\*1 Pin/O-Ring=A21/B21 → P269

12300G

12760

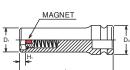
12760-P

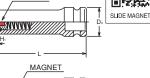
12365M



Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo







	12300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)	(1)
New	7	11.3	13	3.5	25	48	30	10	*1
	8	12.5	13	4	22	48	32	10	*1
	10	15	13	4.5	20.5	48	34	10	*1
	12	17.5	13	6	24.5	48	49	10	*1
	13	18.8	13	6.5	23	48	52	10	*1
	14	20	13	7	21	48	57	10	*1

\*1 Pin/O-Ring=A21/B21 >P269

MAGNET
<- H₂->

		TYPE	D (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
	12760-55	Hole	13	55	26	10	*1
	12760-75	Hole	13	75	45	10	*1
	12760-100	Hole	13	100	50	10	*1
	12760-150	Hole	13	150	60	10	*1
New	12760-200	Hole	13	200	80	10	*1

	TYPE	D (mm)	L (mm)	₫Д (g)	(pcs.)	W
12760-55P	Pin	13	55	26	10	*1
12760-75P	Pin	13	75	45	10	*1
12760-100P	Pin	13	100	50	10	*1
12760-150P	Pin	13	150	60	10	*1
12760-200P	Pin	13	200	80	10	*1

\*1 Pin/O-Ring=A21/B21 → P269



Extension Bars

Alargaderas





12222AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)

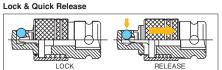






	L (mm)	₫₫ (g)	(pcs.)	(1)
12222AL	35	30	10	*1

\*1 Pin/O-Ring=A21/B21 -> P269



Universal Joint Articulación Universal 12770







You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	₫₫ (g)	(pcs.)	W
12770	39	30	10	*1

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	W
12233A	Hole	1/4"	3/8"	22	15	10	*1
12233A-B	Ball	1/4"	3/8"	22	15	10	*1
12233A-P	Pin	1/4"	3/8"	22	15	10	*1

\*1 Pin/O-Ring=A21/B21 >> P269





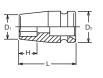




Impact Sockets



### 13400M · 13400A O 6-point Sockets Vasos Hexagonales





13400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

	RS13400M/11	11 Pieces Set/Rail 300mm	Ø"∆ (g)
New	8 10 11 12	13 14 15 16 17 18 19	630

→P268-269

\*1

\*2

\*2

\*2

\*2

\*2

\*2 \*2

\*2

\*2 \*2

\*2

\*2

D<sub>1</sub> (mm)

10.8

13.3

14.5

15.8

18.3

19.5

20.8

23.3

24.5

25.8

28.3

29.5

30.8

33.3

\*1 C-Ring=C31, Pin/O-Ring=A31/B31

\*2 C-Ring=C32, Pin/O-Ring=A32/B32

#### RS13400M/11 () .....



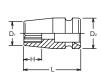
Socket Set on Rail Juego de Vasos en Regleta



#### 13405M ⋅ 13405A ○



12-point Sockets Vasos Bihexagonales





13405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

<sup>→</sup> P268-269

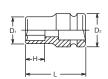
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

13405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	ⅆ
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269





13401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32



13401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



RS13401M/9 Socket Set on Rail Juego de Vasos en Regleta





RS13401M/9	9 Pieces Set/Rail 250mm	₫¼ (g)
8. 10. 12. 13. 14. 1	7. 19. 21. 22	505

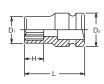
#### 13406M · 13406A



12-point Socket, Thin Walled Vasos Bihexagonales de Pared Delgada







13406A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¯₫ (g)	(pcs.)	W
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

(mm)	(mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32
→P268-269

13401MS
---------



6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short







RS13401MS/11 O Socket Set on Rail Juego de Vasos en Regleta





RS13401MS/11	11 Pieces Set/Rail 300mm	₫Д (g)
8, 10, 11, 12, 13,	, 14, 15, 16, 17, 18, 19	400

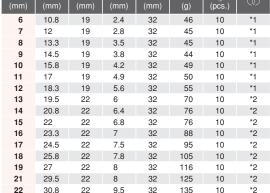
#### 13400MG · 13400AG



6-point Sockets with Magnet Vasos Hexagonales con Imán



MG )	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
	10.8	19	2.4	32	46	10	*1
	12	19	2.8	32	45	10	*1
	13.3	19	3.5	32	45	10	*1
	14.5	19	3.8	32	44	10	*1



\*1 C-Ring=C31, Pin/O-Ring=A31/B31 →P268-269 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

D2

13410M





13400AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)	(D)
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

<sup>13410</sup>M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



32

32

32

62

67

72

10

10

10

\*2

12

12

13

22 \*1 C-Ring=C31, Pin/O-Ring=A31/B31

22

25.8

27

30.8

19

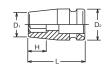
\*2 C-Ring=C32, Pin/O-Ring=A32/B32





13465M Pathfinder Sockets Vasos Pathfinder (Guía)







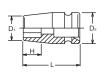
13465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

# 







13460M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	₩
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

#### 13460MG · 13460AG



Sockets with Magnets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes







13460MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)	(1)
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E11	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13425EG (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

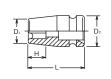
13425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

	13425-EPRL (EPRL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
Nev	10EPRL	12.2	19	6.2	32	44	10	*1
Nev	12EPRL	14.2	19	7.2	32	44	10	*1
Nev	14EPRL	17.2	19	8.1	32	46	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P268-269

### 13425 O TORX® Sockets Vasos TORX®



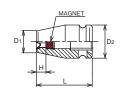


13425EG



TORX® Sockets with Magnet Vasos TORX® con Imán



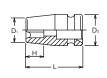






13425-EPL O TORXPLUS® Sockets Vasos TORXPLUS®

TORX Lus



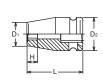


#### 13425-EPRL ()



Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable

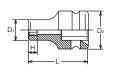






13401LH C LHS Sockets Vasos LHS





13401LH (LH-S)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
128	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

→P268-269

*1 C-Ring=C31,	Pin/O-Ring=A31/B31	E
*2 C-Rina=C32.	Pin/O-Ring=A32/B32	

#### LHSTIX® -

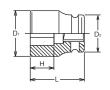


S <sub>1</sub> (ref. mm) 5.6 6.8 9.0 11.3 13.6 15.8	LH-5S LH-6S LH-8S LH-10S LH-12S LH-14S LH-16S
	mm) 5.6 6.8 9.0 11.3 13.6 15.8 18.1
S <sub>2</sub> (ref. mm) 7.5 9.0 12.0 15.0 18.0 21.0	mm) 7.5 9.0 12.0 15.0 18.0 21.0 24.0

#### 13400-WN Weld Nut Sockets







13400-WN	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

(	— WN ———
	1
	S
	<b>+</b>

<u>†</u>	WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	S	(ref. mm)	6	8	9	10	12	14	17
<u>+</u>									

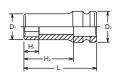


13301X O 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de Pared Delgada









	13301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д̃Д (g)	(pcs.)	W
New	6	9.8	18.5	6	36.5	50	35	10	*1
	7	11	18.5	7	36.5	50	40	10	*1
	8	12.3	18.5	8	36.5	50	40	10	*1
	10	14.8	18.5	10	36.5	50	46	10	*1
	11	16	18.5	11	36.5	50	49	10	*1
	12	17.3	18.5	12	36.5	50	53	10	*1
	13	18.5	21.5	13	36.5	50	67	10	*2
	14	19.8	21.5	14	36.5	50	70	10	*2
	15	21	21.5	15	35.5	50	75	10	*2
	16	22.3	21.5	16	35.5	50	78	10	*2
	17	23.5	21.5	17	35.5	50	82	10	*2
	18	24.8	21.5	18	34.5	50	86	10	*2
	19	26	21.5	19	34.5	50	93	10	*2
	21	28.5	21.5	21	34.5	50	104	10	*2
	22	29.8	21.5	22	33.5	50	110	10	*2
	23	31	21.5	23	33.5	50	115	10	*2
	24	32.3	21.5	24	32.5	50	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

District 16:56 21 inches	Description 2

RS13301X/9	9 Pieces Set/Rail 250mm	(g) (\text{\ti}}\text{\ti}\\\ \ti}\\\ \text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}}\tittt{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\text{\text{\texi}\text{\texi}\text{\text{\texit{\tet{\text{\text{\texi}\text{\text{\texi}\text{\texit{\text{\t
8, 10, 12, 1	3, 14, 17, 19, 21, 22	710



### 13300XG MG

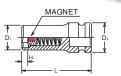
Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д∑ (g)	(pcs.)	(1)
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

MAGNET	
<del></del>	
← H <sub>2</sub> →	

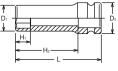


#### 13300M · 13300A



6-point Sockets, Deep Vasos Hexagonales Largos





	3300A inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
	1/4	10.8	19	6	66.5	80	77	10	*1
:	5/16	13.3	19	8	66.5	80	82	10	*1
:	3/8	15.8	19	10	66.5	80	94	10	*1
	7/16	17	19	11	66.5	80	110	10	*1
	1/2	19.5	22	13	66.5	80	138	10	*2
	9/16	20.8	22	14	66.5	80	148	10	*2
	5/8	23.3	22	16	65.5	80	156	10	*2
1	1/16	24.5	22	17	65.5	80	168	10	*2
:	3/4	27	22	19	64.5	80	192	10	*2
13	3/16	29.5	22	21	64.5	80	226	10	*2
	7/8	30.8	22	22	63.5	80	231	10	*2

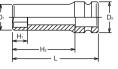
<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 13301M · 13301A

6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada



4	81
	(2.



13301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2
*4.0.0								

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

	300M nm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
	6	10.8	19	6	66.5	80	77	10	*1
	7	12	19	7	66.5	80	82	10	*1
	8	13.3	19	8	66.5	80	82	10	*1
	9	14.5	19	9	66.5	80	88	10	*1
	10	15.8	19	10	66.5	80	94	10	*1
	11	17	19	11	66.5	80	110	10	*1
	12	18.3	19	12	66.5	80	111	10	*1
	13	19.5	22	13	66.5	80	138	10	*2
	14	20.8	22	14	66.5	80	148	10	*2
	15	22	22	15	65.5	80	157	10	*2
	16	23.3	22	16	65.5	80	156	10	*2
	17	24.5	22	17	65.5	80	168	10	*2
	18	25.8	22	18	64.5	80	190	10	*2
	19	27	22	19	64.5	80	192	10	*2
2	20	28.3	22	20	64.5	80	224	10	*2
2	21	29.5	22	21	64.5	80	226	10	*2
:	22	30.8	22	22	63.5	80	231	10	*2
ew	23	31.9	22	23	63.5	80	238	10	*2
2	24	33.2	22	24	63.5	80	242	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2
24	32.3	21.5	24	63.5	80	216	10	*2

13305M O 12-point Sockets, Deep Vasos Bihexagonales Largos



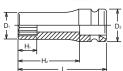
<b>T</b>	1
< 171 → H₂ — →	
<b>←</b> —— L———	>

13306M (

12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada







13305M 82 \*1 \*1 8 13.3 19 8 66.5 80 10 10 15.8 19 10 66.5 80 94 10 110 \*1 11 17 19 11 66.5 80 10 12 18.3 19 12 66.5 80 111 10 \*1 \*2 13 19.5 22 13 66.5 80 138 10 14 20.8 22 14 66.5 80 148 10 \*2 \*2 17 24.5 22 17 65.5 80 168 10

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

06M nm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)	(V.

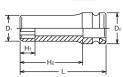
13306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	(D)
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13310M

Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos





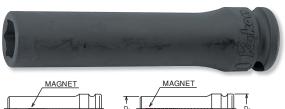


13310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(V)
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo 13300G





) piere	
MAGNET	MAGNET
	D <sub>1</sub>

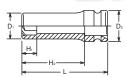


13300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(I)
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos 13365M







13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

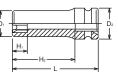
Impact Sockets

13325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	71	10	*1
E10	12.2	19	8.2	66.5	80	70	10	*1
E12	14.2	19	9.3	66.5	80	80	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	115	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

#### 13325 🔘 TORX® Deep Sockets Vasos TORX® Largos





#### **TORX®** (E)



	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

13440M (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
10	15.8	5	57	135	10	*2
11	17	6	57	135	10	*2
12	18.3	6	57	135	10	*2
13	19.5	6	57	135	10	*2
14	20.8	7	59	140	10	*2
15	22	7	59	140	10	*2
16	23.3	8	59	140	10	*2
17	24.5	8	59	140	10	*2
18	25.8	9	61	150	10	*2
19	27	10	61	153	10	*2
20	29.5	10	61	157	10	*2
21	30.7	14	66	203	10	*2
22	32	13	61	210	10	*2
24	34.5	13	63	215	10	*2

13440A (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
3/8	15.8	5	57	135	10	*2
7/16	17	6	57	135	10	*2
1/2	19.5	6	57	135	10	*2
9/16	20.8	7	59	138	10	*2
5/8	23.3	8	59	138	10	*2
11/16	24.5	8	59	138	10	*2
3/4	27	10	61	153	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 -> P268-269

13440T (E)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13440T (E)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

24 15 135 10 \*2 6 24 135 10 15 8 24 20 74 140 10 \*2 10 24 20 74 141 10 7 53 \*2 17 24 150 10

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269





#### 13440T



TORX® Universal Sockets Vasos TORX® con Articulación Universal







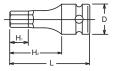
Universal Inhex Sockets Vasos Inhex con Articulación Universal



13012M-52 Inhex Sockets Vasos con Punta Hexagonal





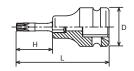


13025-50 · -90



TORX® Bit Sockets Vasos con Punta TORX®





13025.50 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	0
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P268-269

RS13025/8-L50

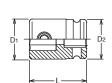
Socket Set on Rail Juego de Vasos en Regleta



13134 O Impact Bit Holder Porta-punta de Impacto





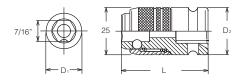




13142-F11.2 O Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)







	13012M.52 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
	3	18	10	34	52	33	10	*1
	4	18	15.5	34	52	35	10	*1
	5	18	15.5	34	52	35	10	*1
	6	18	15.5	34	52	39	10	*1
	7	18	15.5	34	52	44	10	*1
	8	21	15.5	34	52	60	10	*2
	10	21	15.5	34	52	70	10	*2
	12	21	15.5	34	52	79	10	*2
New	13	21	15.5	34	52	85	10	*2
	14	21	15.5	34	52	92	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13025.90 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32
→ P268-269

RS13025/8-L50	8 Pieces Set/Rail 200mm	₫∄ (g)
T20 T25 T27 T30 '	T40 T45 T50 T55	380

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
13134	24	22	32	70	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134-SC



Replacement Screw : M8×6, ● 4mm

For DIN3126 / ISO1173 E11.2 Bits





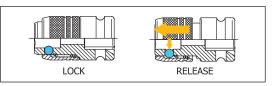
	D <sub>1</sub> (mm)	D₂ (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
13142-F11.2	18.9	22	46	116	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 -> P268-269

For DIN3126 / ISO1173 E11.2 Bits



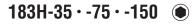






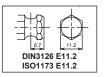
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Impact Sockets











183H.35 (mm)	L (mm)	₫Д (g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	<u> </u>
14	35	35	10	<u> </u>
16	35	47	10	$\triangle$
17	35	50	10	<u> </u>
18	35	53	10	<u> </u>
19	35	56	10	1
		_	200	
1001105		<i>⊼</i> <sup>©</sup> ⊼	深	

17	35	50	10	
18	35	53	10	1
19	35	56	10	
183H.35 (inch)	L (mm)	₫₫ (g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	

183H.75 (mm)	L (mm)	R (mm)	(g)	∭ (pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	-	136	10	4

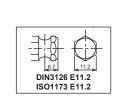
The items with harmonian have larger output size than 7/16" input hex drive.

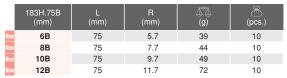
Due to this design the Maximum output torque rating is less than standards.

### 183H-75B · -150B

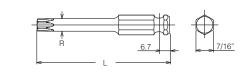








	183H.150B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)
New	6B	150	5.7	65	10
New	8B	150	7.7	71	10
New	10B	150	9.7	92	10
New	12B	150	11.7	135	10



183T.35 (T)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10

T40 Sacknop 183T TORK HLEE IN JAPAN 213



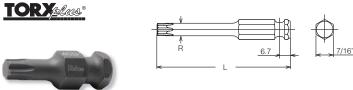
	183T.75 (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)
lew	T25	75	6	33	10
lew	T27	75	6	33	10
	T30	75	6	35	10
	T40	75	6.9	37	10
	T45	75	8	41	10
	T50	75	9	45	10
	T55	75	11.4	55	10
	T60	75	13.5	67	10

T30 50 150 6 10 T40 150 6.9 58 10 T45 150 70 10 8 T50 150 9 82 10 T55 150 11.4 113 10 T60 150 13.5 148 10

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

183T-35 · -75 (IP) TORXPLUS® Bits Puntas TORXPLUS®



183T.35 (IP)	L (mm)	⊕`∆ (g)	(pcs.)	
30IP	35	18	10	
40IP	35	20	10	
45IP	35	22	10	
50IP	35	26	10	
55IP	35	30	10	
60IP	35	38	10	1



183T.75 (IP)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	1

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

183X-35 · -75 · -	150 (XZN)	XZN Bits Puntas XZN	
Phileso Phileso	A R	6.7	7/16"

183X-35 (XZN)	L (mm)	₫ <u>¼</u> (g)	(pcs.)	
M 4	35	18	10	
M 5	35	18	10	
M 6	35	20	10	
M 8	35	22	10	
M10	35	26	10	
M12	35	30	10	
M14	35	38	10	⚠



6,7
DIN3126 E11.2 ISO1173 E11.2

183X-75 (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	1

183X-150 (XZN)	L (mm)	R (mm)	ДД (g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

Impact Sockets

	13134M-52/-92 (mm)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(D)
	3	22	20	60	6	85	104	10	*2
	4	22	20	60	6	85	105	10	*2
	5	22	20	60	6.5	85	106	10	*2
	6	22	20	60	7.5	88	109	10	*2
New	7	22	20	60	8.5	89	114	10	*2
	8	22	20	60	9.5	90	117	10	*2
	10	22	20	60	-	96	127	10	*2
	12	22	20	60	-	100	135	10	*2
	14	22	20	60	-	105	149	10	*2

2	C-Ring-C32	Pin/O-Ring=A32/B32	D268_260
~	0 1 mig=002,	Till O Tillig=Not/Dot	1 200-203

13134M-52·-92	Hex Bit Sockets Vasos con Punta Hexagonal
52/92	
	6 Medico PADEUS SPAIN

	13134T-52/-92 (T)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(1)
New	T25	22	20	60	6	88	103	10	*2
	T30	22	20	60	6	88	105	10	*2
	T40	22	20	60	6.9	90	107	10	*2
	T45	22	20	60	8	92	111	10	*2
	T50	22	20	60	9	96	115	10	*2
	T55	22	20	60	11.4	100	125	10	*2
	T60	22	20	60	13.5	108	137	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134T-52 · -92 (T)	TORX® Bit Sockets Vasos con Punta TORX®
D D D S2/92	
	T40 Markon TORN MAGENSA

13134T-52/-92 (IP)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(1)
30IP	22	20	60	6	88	105	10	*2
40IP	22	20	60	6.8	90	107	10	*2
45IP	22	20	60	8	92	111	10	*2
50IP	22	20	60	9	96	115	10	*2
55IP	22	20	60	11.4	100	126	10	*2
60IP	22	20	60	13.5	108	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134T-52 · -92 (IP)	TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®
H 52/92	
	ACITE TOTAL  Stocker  MADE IN JAPAN

13134X-52/-92 (XZN)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(I)
M 5	22	20	60	6	88	104	10	*2
M 6	22	20	60	6.2	90	106	10	*2
M 8	22	20	60	7.4	92	109	10	*2
M10	22	20	60	9.8	96	124	10	*2
M12	22	20	60	11.7	100	129	10	*2
M14	22	20	60	13.5	108	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



#### 13145M-100 · -150 · -200 · -250

Extra Long Sockets Vasos Extra-Largos





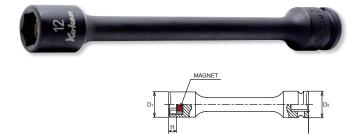
13145M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
6	10.8	19	6	250	167	5	*1
8	13.3	19	8	250	172	5	*1
10	15.8	19	10	250	182	5	*1
12	18.3	19	12	250	190	5	*1
13	19.5	19	13	250	199	5	*1
14	20.8	19	14	250	208	5	*1
15	22	19	15	250	217	5	*1
17	24.5	19	17	250	225	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

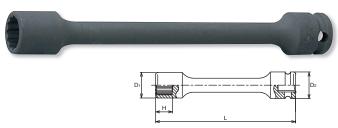
#### 13145MG-100 · -150 · -200

Extra Long Sockets with Magnet Vasos Extra-Largos con Imán





# 13145M-100 (12P) · -150 (12P) · -200 (12P) Extra Long 12-point Sockets Vasos Bihexagonales, Extra-Largos



13145M.100 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

13145M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

13145M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13145MG.100 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	W
8	13.3	19	3.5	100	90	5	*1
10	15.8	19	4.2	100	93	5	*1
12	18.3	19	5.6	100	105	5	*1
13	19.5	19	6	100	115	5	*1
14	20.8	19	6.4	100	120	5	*1

	13145MG.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
	8	13.3	19	3.5	150	120	5	*1
	10	15.8	19	4.2	150	125	5	*1
	12	18.3	19	5.6	150	136	5	*1
	13	19.5	19	6	150	145	5	*1
	14	20.8	19	6.4	150	150	5	*1
New	17	24.5	19	7.5	150	170	5	*1

13145MG.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
10	15.8	19	4.2	200	182	5	*1
12	18.3	19	5.6	200	190	5	*1
13	19.5	19	6	200	208	5	*1
14	20.8	19	6.4	200	225	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

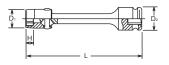
13145M.100 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

13145M.150 (12P) (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

13145M.200 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 -> P268-269

# 3/8<sup>11</sup> Impact Sockets

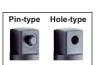


13146M.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
8	12	19	6	150	128	5	*1
10	14.3	19	7	150	131	5	*1
12	18	19	8	150	133	5	*1
13	19.3	19	8.5	150	132	5	*1
14	20	19	9	150	132	5	*1

13146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ℴ
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

# H

13147M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1



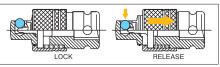


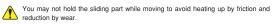
	TYPE	D (mm)	L (mm)	Ø∆ (g)	(pcs.)	W
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

	L (mm)	Д¯Д (g)	(pcs.)	W
13333AL	45	62	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

#### Lock & Quick Release





#### 13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal



13146M.250 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(I)
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

#### 13147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal



13147M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13760 13760-P

Extension Bars Alargaderas

(•)	

	TYPE	D (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2
13760-300P	Pin	22	300	310	5	*2

<sup>\*2</sup> C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13333AL

LOCKING ADAPTOR Adaptor (Quick Release) Adaptador (Extracción Rápida)





1333WA Universal Adaptor 🔨







13770

Universal Joint Articulatión Universal





13771

13772

Universal Joint Articulatión Universal

















19 \*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269 13772 and 14772 have less load capacity than standard. In the interest of your safety 13//2 and 1-.... always use properly.

19

75

75

120

120

5

5

\*1

Adaptor Adaptador 13322A





13344A

Adaptor Adaptador





13242M



Socket Set Juego de Vasos







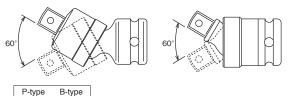
	D (mm)	L (mm)	₫Д (g)	(pcs.)	W
New 13333WA	19	35	36	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

	TYPE	L (mm)	₫∄ (g)	(pcs.)	Ѿ
13770	Hole	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770-P	Pin	56	110	10	*2
13771	Hole	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771-P	Pin	48	92	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 -> P268-269



DIN 3121 Form E	

22

22

TYPE

Ball

Pin

13772-B

13772-P

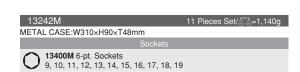
	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pcs.)	ⅆ
13322A	Hole	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A-P	Pin	3/8"	1/4"	27	25	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

Adapting down from bigger square drive to smaller square drive may lead to Adapting down from bigger square unive to stration square unive to specific square university and excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(D)
13344A	Hole	3/8"	1/2"	32.5	53	10	*2
13344A-B	Ball	3/8"	1/2"	32.5	53	10	*2
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



### 14400M • 14400A O 6-point Sockets Vasos Hexagonales



14400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)	(1)
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2









14400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

## 14405M · 14405A



12-point Sockets Vasos Bihexagonales





14405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

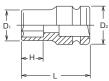
14405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42









14401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	ⅆ
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

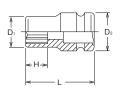
\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 Socket Set on Rail RS14401M/10











14406A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14401M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	(D)
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42
→ P268-269

RS14401M/10	10 Pieces Set/Rail 300mm	Д¯Д (g)
10. 12. 13. 14. 17.	19, 21, 22, 24, 27	1 010

14406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269







*1	C.	-Ring:	=C41,	Pin/O	-Ring=	A41/B41	
*0	$\sim$	Dina	040	Din/O	D:	A 40/D 40	

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28.5

28.5

28.5

28.5

41

43

43

70

73

76

78

79

79

84

87

100

10

10

10

10

10

10

10

10

10

10

10

\*2

\*2

\*2

\*2

\*2

\*2

\*2 \*2

\*2

<sup>→</sup> P268-269

RS14401MS/10	10 Pieces Set/Rail 300mm	₫Д (g)
10, 12, 13, 14, 17, 19	9, 21, 22, 24, 27	740



\*(thin RS14401MS/10



Socket Set on Rail Juego de Vasos en Regleta

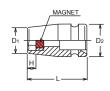




14400MG



6-point Sockets with Magnet Vasos Hexagonales con Imán





14400MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	⊕ ⊕ (g)	(pcs.)	(D)
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

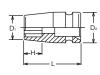
<sup>→</sup>P268-269







Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





# **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto c<mark>urvo</mark> se diseñan para mantener <mark>el c</mark>ontacto con las caras planas de la tuerca y tran<mark>sm</mark>itir un alto par reduciendo el <mark>de</mark>sgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

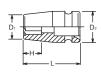
<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14465M ()



Pathfinder Sockets Vasos Pathfinder (Guía)





# **PATHFINDER®**

The beveled flats of the 6-point opening of the PATHFINDER socket

engage the nut almost immediately.
PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biselad<mark>as d</mark>e la boca hexagon<mark>al d</mark>el vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.



14465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

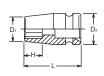
\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

### 14415M



Double Square Sockets Vasos Octagonales





14415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16	46	278	5	*1
28	47	30	16	46	285	5	*1
29	49.5	30	17	46	326	5	*2

E10

E11

E12

E14

E16

E18

E20

E22

E24

14.2

14.7

15.2

18.2

19.2

22.2

24.2

26.2

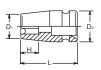
28.2

14425



TORX® Sockets Vasos TORX®





14	25.7	30	10	38	138	10	*1				
15	27	30	11	38	145	10	*1				
16	29.5	30	11	38	150	10	*1				
17	30.7	30	12	38	155	10	*1				
18	32	30	13	38	165	10	*1				
19	33.2	30	14	38	170	10	*1				
22	38.2	30	14	40	185	10	*1				
24	42	30	14	42	215	10	*1				
27	45.7	30	16	46	278	5	*1				
28	47	30	16	46	285	5	*1				
29	49.5	30	17	46	326	5	*2				
*1 C-Ring=C42, Pin/O-Ring=A42/B42 →P268-269											

30 \*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

25

25

25

25

25

25

30

30

8.2

8.7

9.3

10.6

11.8

13

14.4

15.5

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38

38

38

38

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38

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86

85

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89

134

140

138

10

10

10

10

10

10

10

10

10

\*1

\*1

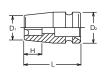
\*2

\*2

\*2

14425-EPL O TORXPLUS® Sockets Vasos TORXPLUS® TORX Lus®





14425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	40	90	10	*1
20EPL	24.5	30	11.2	42	135	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

> **TORX**° is a registered trademark of **CAMCAR Innovations. TORX**° es una marca registrada de **CAMCAR Innovations.** IOR is a registered trademark of CAMCAR Innovations.
> IOR is a registered trademark of CAMCAR Innovations.

D<sub>2</sub> (mm) ₫₫ (g) 14400-WN 8WN 18.3 25 38 93 10 8 9WN 19.5 25 9 38 10 10WN 20.8 25 10 38 92 10 12WN 24.5 30 12 139 \*2 38 10 14WN 27 30 14 38 136 10 \*2 17WN 32 30 17 40 150 10

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 →P268-269

### 14400-WN Weld Nut Sockets







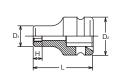
WI	N	6WN	8WN	9WN	10WN	12WN	14WN	17WN
S (ref. mm)		6	8	9	10	12	14	17

14401LH C LHS Sockets Vasos LHS



14401LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
6S	13	25	5.6	38	65	10	*1
88	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
148	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42





**LHSTIX®** 



LH-	S	LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S <sub>1</sub>	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S <sub>2</sub> (ref. mm)		7.5	9.0	12.0	15.0	18.0	21.0	24.0

14301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

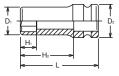
RS14301X/10	10 Pieces Set/Rail 300mm	₫∄ (g)
10, 12, 13, 14, 17, 19	9, 21, 22, 24, 27	1,585



14301X O 6-point Sockets, Semi-Deep Vasos Hexagonales Madianos de pared Delgada











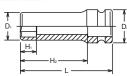
Socket Set on Rail TITILI Juego de Vasos en Regleta





14300M • 14300A O 6-point Deep Sockets Vasos Hexagonales Largos





14300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)	(1)
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	366	10	*2
1. 1/8	40.7	30	29	63	85	401	10	*2
1. 3/16	42	30	30	63	85	421	10	*2
1. 1/4	44.5	30	32	63	85	458	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42



14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(I)
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	366	10	*2
28	39.5	30	28	64	85	387	10	*2
29	40.7	30	29	63	85	401	10	*2
30	42	30	30	63	85	421	10	*2
31	43.2	30	31	63	85	437	10	*2
32	44.5	30	32	63	85	458	10	*2
33	45.7	30	33	62	85	479	2	*2
34	47	30	33	62	85	496	2	*2
35	48.2	30	35	62	85	509	2	*2
36	49.5	30	36	61	85	534	2	*2
38	52	30	38	60	85	591	2	*2
41	55.7	30	38	60	85	625	2	*2

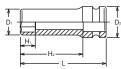
<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

# 









	14301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
New	5/16	13	24	8	62	80	87	10	*1
	3/8	15.5	24	10	62	80	98	10	*1
	7/16	16.7	24	11	62	80	104	10	*1
	1/2	19.2	24	13	62	80	120	10	*1
	9/16	20.5	24	14	62	80	127	10	*1
	5/8	23	29	16	62	80	173	10	*2
	11/16	24.2	29	17	62	80	182	10	*2
	3/4	26.7	29	19	61	80	197	10	*2
	13/16	29.2	29	21	61	80	218	10	*2
	7/8	30.5	29	22	65	85	244	10	*2
	15/16	33	29	24	65	85	261	10	*2
New	1	34.2	29	25	65	85	282	10	*2
	1. 1/16	36.7	29	27	64	85	314	10	*2
	1. 1/8	39.2	29	29	63	85	349	10	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(V)
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	30	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P268-269 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	105	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	290	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

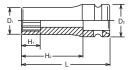
→ P268-269

14310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

# 14305M O 12-point Deep Sockets Vasos Bihexagonales Largos





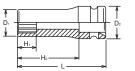
## 14306M (



12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada







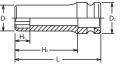
### 14310M ()



Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos







# **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

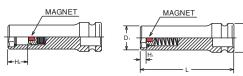
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



14300G MG Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo









14300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)t	L (mm)t	₫∄ (g)	(pcs.)	(I)
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

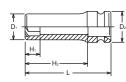
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14365M



Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos





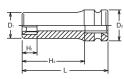


14365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

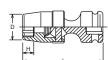
TORX® Deep Sockets Vasos TORX® Largos 14325 🔘





14440M • 14440A O Universal Sockets Vasos con Articulación Universal





14325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	W
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14440M (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	W
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	14	75.5	300	10	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/2	20.7	6	67.5	210	10	*2
9/16	22	7	69.5	210	10	*2
5/8	24.5	8	69.5	206	10	*2
11/16	25.7	8	69.5	220	10	*2
3/4	28.2	10	73.5	260	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P268-269

14012M.60 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
18	30	15.5	38	60	200	10	*2
19	30	15.5	38	60	210	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41

2 C-Ring=C42,	PIn/O-Ring=A42/B42	

RS14012M/10-L60	10 Pieces Set/Rail 300mm	₫Д (g)
4, 5, 6, 7, 8,	, 10, 12, 14, 17, 19	1,300

14025.60 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14025/6-L60	6 Pieces Set/Rail 200mm	₫¼ (g)
T30, T40, T45	, T50, T55,T60	650

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	W
14134	24	25	38	90	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

13134-SC



For DIN3126 / ISO1173 E11.2 Bits

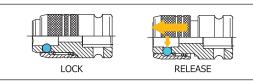


	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
14142-F11.2	18.9	25	46	207	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

DIN3126 / ISO1173 E11.2 Bits

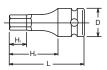






You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

### 14012M-60 •





RS14012M/10-L60



Socket Set on Rail
Juego de Vasos en Regleta

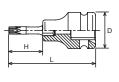


Inhex Sockets Vasos Inhex

14025-60 · -100 **(\*)** 



TORX® Bit Sockets Vasos con Punta TORX®





14025. (T)		D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	W
T30	)	25	73.5	100	85	10	*1
T40	)	25	73.5	100	95	10	*1
T45	5	25	73.5	100	102	10	*1
T50	)	25	73.5	100	120	10	*1
T55	5	25	73.5	100	155	10	*1
T60	)	30	73.5	100	220	10	*2



RS14025/6-L60 © Socket Set on Rail Juego de Vasos en Regleta

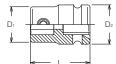


14134



Impact Bit Holder Porta-punta de Impacto







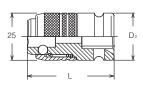
14142-F11.2



Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)

















183H.35 (mm)	L (mm)	(g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	7
14	35	35	10	
16	35	47	10	7
17	35	50	10	
18	35	53		7
19	35	56	10	7
		g=7=a	5007	
183H.35	L	<b>\$</b> Z	/ <sup>®</sup> \	
(inch)	(mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	

183H.75 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10 🗸

183H.150 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	-	136	10	$\triangle$

The items with Anave larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

183H-75B ⋅ -150B ●

35

7/16

1/2



28

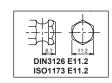
38

Ball point Hex Bits Puntas Hexagonales con bola

10

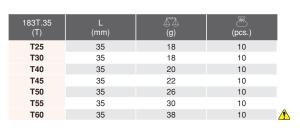
10





	183H.75B (mm)	L (mm)	R (mm)	Д°Д (g)	(pcs.)
New	6B	75	5.7	39	10
New	8B	75	7.7	44	10
New	10B	75	9.7	49	10
New	12B	75	11.7	72	10

	183H.150B (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)
New	6B	150	5.7	65	10
New	8B	150	7.7	71	10
New	10B	150	9.7	92	10
New	12B	150	11.7	135	10









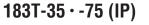


	183T.75 (T)	L (mm)	R (mm)	ДĨД (g)	(pcs.)	
New	T25	75	6	33	10	
New	T27	75	6	33	10	
	T30	75	6	35	10	
	T40	75	6.9	37	10	
	T45	75	8	41	10	
	T50	75	9	45	10	
	T55	75	11.4	55	10	
	T60	75	13.5	67	10	1

	183T.150 (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
	T30	150	6	50	10	
	T40	150	6.9	58	10	
	T45	150	8	70	10	
	T50	150	9	82	10	
	T55	150	11.4	113	10	
New	T60	150	13.5	148	10	1

The items with  $\triangle$  have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

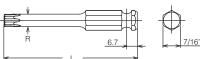




TORXALAS®

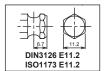


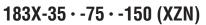
183T.75 (IP)	L (mm)	R (mm)	₫₫ (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	1





The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

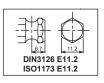






183X-35 (XZN)	L (mm)	⊕`∆ (g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

R 6.7	7/16"	Diadroo Diadroo
		M6 Rates 183X



<b>◆</b> The Total Control of the Contro	MA Revision 183X
	FIO ASSISTED ISSA

183X-75 (XZN)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	

	183X-150 (XZN)	L (mm)	R (mm)	(g) (\bar{D})	(pcs.)	
	M 5	150	6	50	10	
	M 6	150	6.2	53	10	
	M 8	150	7.4	64	10	
	M10	150	9.8	93	10	
	M12	150	11.7	121	10	
New	M14	150	13.5	151	10	$\triangle$

The items with  $\stackrel{\clubsuit}{\blacksquare}$  have larger output size than 7/16" input hex drive. The items with A have larger output size than 7710 important of the Due to this design the Maximum output torque rating is less than standards.

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	14134M-58/-98 (mm)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
	3	25	20	60	6	105	124	10	5	*1
	4	25	20	60	6	105	125	10	5	*1
	5	25	20	60	6.5	105	126	10	5	*1
	6	25	20	60	7.5	108	129	10	5	*1
New	7	25	20	60	8.5	109	134	10	5	*1
	8	25	20	60	9.5	110	137	10	5	*1
	10	25	20	60	-	116	147	10	5	*1
	12	25	20	60	_	120	155	10	5	*1
	14	25	20	60	-	125	169	10	5	*1

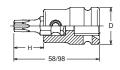
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134T-58 · -98 (T)



TORX® Bit Sockets Vasos con Punta TORX®







	14134T-58/-98 (T)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
New	T25	25	20	60	6	108	123	10	5	*1
	T30	25	20	60	6	108	125	10	5	*1
	T40	25	20	60	6.9	110	127	10	5	*1
	T45	25	20	60	8	112	131	10	5	*1
	T50	25	20	60	9	116	135	10	5	*1
	T55	25	20	60	11.4	120	145	10	5	*1
	T60	25	20	60	13.5	128	157	10	5	*1

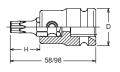
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134T-58 · -98 (IP)



TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®







14134T-58/-98 (IP)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
30IP	25	20	60	6	108	125	10	5	*1
40IP	25	20	60	6.8	110	127	10	5	*1
45IP	25	20	60	8	112	131	10	5	*1
50IP	25	20	60	9	116	135	10	5	*1
55IP	25	20	60	11.4	120	146	10	5	*1
60IP	25	20	60	13.5	128	159	10	5	*1

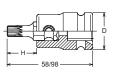
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134X-58 · -98 (XZN)



XZN Bit Sockets Vasos con Punta XZN







14134X-58/-98 (XZN)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
M 5	25	20	60	6	108	124	10	5	*1
M 6	25	20	60	6.2	110	126	10	5	*1
M 8	25	20	60	7.4	112	129	10	5	*1
M10	25	20	60	9.8	116	144	10	5	*1
M12	25	20	60	11.7	120	149	10	5	*1
M14	25	20	60	13.5	128	159	10	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14106 28 30 43 160

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

Replacement Screw : M6x8, \$\infty\$3mm

107.16 (mm)	L (mm)	₫ <u>7</u> (g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	1
18	40	78	10	⚠
19	40	80	10	1
22	40	97	10	1
107.10		<b>₹</b> ▽ <b>ス</b>	<b>**</b>	

	107.16 (inch)	L (mm)	Ø∄ (g)	(pcs.)	
	3/8	40	45	10	
New	7/16	40	53	10	
	1/2	40	56	10	
	9/16	40	60	10	
	5/8	40	69	10	
	3/4	40	80	10	

107.16(L100) (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	-	163	10	
17	100	-	185	10	1
19	100	-	228	10	
22	100	_	293	10	

	107.16 (T)	L (mm)	Ø∄ (g)	(pcs.)
New	T45	50	45	10
	T50	50	50	10
	T55	50	57	10
	T60	50	64	10
	T70	50	73	10

	107.16(L100) (T)	L (mm)	R (mm)	ДД (g)	(pcs.)
New	T45	100	8	95	10
	T50	100	9	100	10
	T55	100	11.4	104	10
	T60	100	13.4	123	10
	T70	100	15.7	148	10

107.16 (IP)	L (mm)	(g) (\alpha\alpha\	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10
107.10/1.100)			寒

107.16(L100) (XZN)	L (mm)	R (mm)	Æ∆ (g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

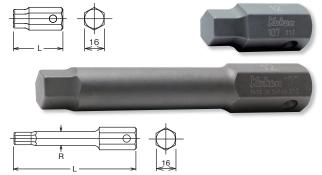
The items with ⚠ have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

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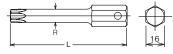




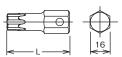








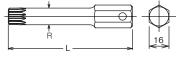






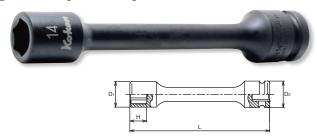






### 14145M-100 · -150 · 200 · -250

Extra Long Sockets
Vasos Bihexagonales, Extra-Largos

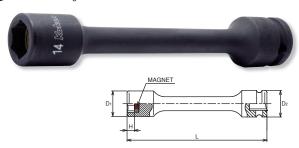


14145M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

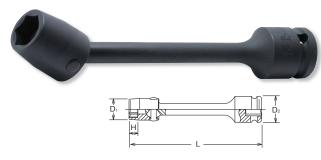
## 14145MG-150 · -200

MG Extra Long Sockets with Magnet Vasos Extra-Largos con Imán



### 14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos



14146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

14145M.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(V)
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

14145M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	ℴ
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

	14145MG.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
New	10	17	25	4.2	150	195	1	*1
New	12	19.5	25	5.6	150	210	1	*1
New	14	22	25	6.4	150	230	1	*1
New	17	25.7	25	7.5	150	266	1	*1

	14145MG.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
New	10	17	25	4.2	200	240	1	*1
New	12	19.5	25	5.6	200	254	1	*1
New	14	22	25	6.4	200	275	1	*1
New	17	25.7	25	7.5	200	313	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14146M.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(I)
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14147M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

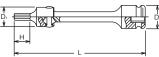
14147M.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

### 14147M-150 · -200

Extra Long Universal Inhex Sockets Vasos Inhex con Articulación Universal Extra-Largos





	TYPE	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)	(1)
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2
14760-300	Hole	30	300	560	1	*2

	TYPE	D (mm)	L (mm)	₫Д (g)	⇔ (pcs.)	(D)
14760-50P	Pin	30	50	150	10	*2
14760-75P	Pin	30	75	188	10	*2
14760-100P	Pin	30	100	240	10	*2
14760-125P	Pin	30	125	275	5	*2
14760-150P	Pin	30	150	300	5	*2
14760-175P	Pin	30	175	358	5	*2
14760-200P	Pin	30	200	405	5	*2
14760-250P	Pin	30	250	480	1	*2
m 14760-300P	Pin	30	300	560	1	*2

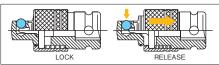
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



	L (mm)	₫ <u>"</u>	(pcs.)	(D)
14444AL	60	128	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

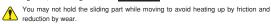
#### Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(1)
14466AL	1/2"	3/4"	75	460	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



Extension Bars Alargaderas 14760 14760-P







LOCKING ADAPTOR









### 14466AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)







14444WA Universal Adaptor 🔨







14770

Universal Joint Articulación Universal





14771

Universal Joint Articulación Universal









	D (mm)	L (mm)	Д°Д (g)	(pcs.)	W
New 14444WA	25	47	83	10	*1

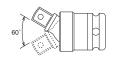
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

	TYPE	L (mm)	₫₫ (g)	(pcs.)	(D)
14770	Hole	74	210	5	*2
14770-B	Ball	74	210	5	*2
14770-P	Pin	74	210	5	*2
14771	Hole	65	198	5	*2
14771-B	Ball	65	198	5	*2
14771-P	Pin	65	198	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269





P-type	B-type
DIN 3121 Form E	0
1011112	

14772

Universal Double Joint Articulación Universal



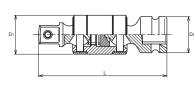




	TYPE	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
14772-B	Ball	27	25	90	230	5	*1
14772-P	Pin	27	25	90	230	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

13772 and 14772 have less load capacity than standard. In the interest of your safety 13772 and 14772 and always use properly.





14433A

14455A 14466A

Adaptor Adaptador

Adaptor Adaptador









	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
14433A	Hole	1/2"	3/8"	37.5	68	10	*1
14433A-B	Ball	1/2"	3/8"	37.5	68	10	*1
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

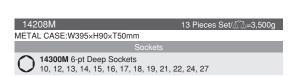
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	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫¼ (g)	(pcs.)	W
14455A	Hole	1/2"	5/8"	42	135	10	*2
	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
14466A	Hole	1/2"	3/4"	44	146	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14207M METAL CASE:W310×H90×T48mm 10 Pieces Set/\$\tilde{\bar{a}}=2,700g 14300M 6-pt Deep Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24, 27



14209M	10 Pieces Set/\$\tilde{\bar{a}} =830g
METAL CASE: W190×H59×T45mm	
Bits	Bit Holder
183H.35 Hex Bits 5, 6, 8, 10	14134 Bit Holder
107.16 Hex Bits 12, 14, 17, 19	14106 Bit Holder

14210M	18 Pieces Set/△ဩ=1,250g
METAL CASE: W310×H90×T48mm	
Bits	Bit Holder
183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	14134 Bit Holder
183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	<b>168H-4 (40)</b> Screwdriver

14210T	14 Pieces Set/\$\tilde{\bar{a}}=1,080g
METAL CASE: W310×H90×T48mm	
Bits	Bit Holder
183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	14134 Bit Holder
183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	<b>168H-4 (40)</b> Screwdriver

14210X	14 Pieces Set/ὧື =1,040g
METAL CASE: W310×H90×T48mm	
Bits	Bit Holder
183X.35 XZN Bits M4, M5, M6, M8, M10, M12	14134 Bit Holder
183X.75 XZN Bits M4, M5, M6, M8, M10, M12	168H-4 (40) Screwdriver





#### Socket Set Juego de Vasos 14208M



#### Socket Set Juego de Vasos 14209M



#### Socket Set Juego de Vasos 14210M

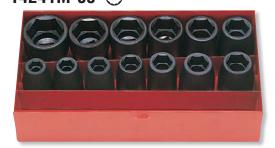


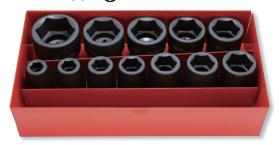
#### Socket Set Juego de Vasos 14210T











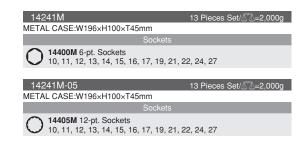
14242M O Socket Set Juego de Vasos





\$14240M O Display Stand Expositor







14242M	12 Pieces Set/\$\displant{1} = 1,890g
METAL CASE:W310×H90×T48mm	
Socke	
14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19	9, 21, 22, 27

14245M-6P	18 Pieces Set/ὧື/ =2,250g
METAL CASE:W310xH90xT48mi	m
Sockets	Accessories
14400M 6-pt.Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	14760-125 14770 A41, A42 B41, B42
	0 541, 542
14245M-12P	18 Pieces Set/ὧື =2,250g
METAL CASE:W310×H90×T48m	ım
Sockets	Accessories
14405M 12-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	14760-125 14770 A41, A42 B41, B42

S14240M DISPLAY STAND:W510×		ieces Set/ὧື∄=13,690g
10mm:8pcs 11mm:8pcs 12mm:8pcs 13mm:8pcs 14mm:8pcs	15mm:7pcs 16mm:7pcs 17mm:7pcs 19mm:7pcs 21mm:7pcs	22mm:6pcs 23mm:6pcs 24mm:6pcs 27mm:5pcs

Impact Sockets

15400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

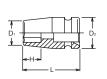
<sup>\*1</sup> Pin/O-Ring=C51A/C51B -> P269



# 15400M ()



6-point Sockets Vasos Hexagonales





15400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

\*1 Pin/O-Ring=C51A/C51B → P269





6-point Sockets Vasos Hexagonales





15410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

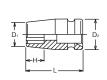
<sup>\*1</sup> Pin/O-Ring=C51A/C51B → P269



# 15410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )





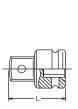
# **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

CCIÓN PROTECTORES INDUSTRIALES

15566A Adaptor Adaptador



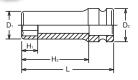
15300M O 6-point Deep Sockets Vasos Hexagonales Largos





15300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=C51A/C51B → P269



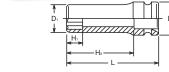
15310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos





15310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДĨД (g)	(pcs.)	(D)
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=C51A/C51B → P269



15555AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



Universal Joint Articulación Universal

> Adaptor Adaptador

15770

15544A

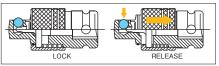




	L (mm)	₫Д (g)	(pce.)	(V)
15555AL	70	310	1	*1

\*1 Pin/O-Ring=C51A/C51B → P269

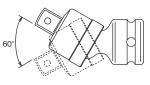
#### Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	Д¯Д (g)	(pce.)	(1)
15770	88	420	1	*1

\*1 Pin/O-Ring=C51A/C51B → P269



	凹 (sq.)	凸 (sq.)	L (mm)	₫ <u>∄</u> (g)	(pce.)	(1)
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

\*1 Pin/O-Ring=C51A/C51B → P269

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pce.)	W
15566A	5/8"	3/4"	48	200	1	*1

\*1 Pin/O-Ring=C51A/C51B → P269

FLAT DRIVE®

₫∄ (g)

\*1

\*1

\*1

\*1

\*2

\*2

\*2

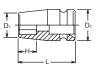
\*2

\*2

\*2

\*2 \*2

16400M • 16400A O 6-point Sockets Vasos Hexagonales





16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 9/16	58.8	44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2. 1/16	73.8	54	29	62	1011	2	*2
2. 1/8	76.3	54	29	62	1035	2	*2
2. 3/16	77.5	54	29	62	1056	2	*2
2. 1/4	80	54	32	65	1126	2	*2
2. 5/16	81.3	54	31	65	1163	2	*2
2. 3/8	83.8	54	31	65	1215	2	*2

#### 83.8 96.3

16400M (mm)

31.3

32.5

33.8

36.3

37.5

38.8

41.3

42.5

43.8

46.3

47.5

48.8

51.3

52.5

53.8

56.3

57.5

58.8

61.3

62.5

63.8

66.3

67.5

68.8

71.3

73.8

76.3

77.5

78.8

81.3

\*1 C-Ring=C61, Pin/O-Ring=A61/B61

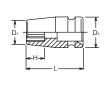
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

16405M D<sub>1</sub> D<sub>2</sub> H L M

#### 16405M · 16405A 🔘



12-point Sockets Vasos Bihexagonales





16405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

	16405M (mm)	(mm)	D <sub>2</sub> (mm)	(mm)	(mm)	⊕ ⊕ (g)	(pcs.)	(D)
	17	30	44	12	50	355	5	*1
	18	31.3	44	13	50	372	5	*1
	19	32.5	44	13	50	360	5	*1
	20	33.8	44	14	50	375	5	*1
	21	35	44	15	50	374	5	*1
	22	36.3	44	15	50	373	5	*1
	23	37.5	44	16	50	373	5	*1
	24	38.8	44	16	50	370	5	*1
	25	40	44	16	50	374	5	*1
	26	41.3	44	16	50	378	5	*1
	27	42.5	44	16	50	375	5	*1
	28	43.8	44	16	50	383	5	*1
	29	45	44	18	53	412	5	*1
	30	46.3	44	18	53	410	5	*1
	32	48.8	44	19	53	428	5	*1
	33	50	44	20	55	470	5	*1
	34	51.3	44	20	55	490	5	*1
New	35	52.5	44	20	55	494	5	*1
	36	53.8	44	20	55	498	5	*1
	38	56.3	44	20	57	558	2	*1
	41	60	44	22	57	572	2	*1
	42	61.3	44	22	57	617	2	*1
	46	66.3	44	23	62	755	2	*1
	50	71.3	54	30	62	930	2	*2
	52	73.8	54	29	62	1011	2	*2
	55	77.5	54	29	62	1056	2	*2
	60	83.8	54	31	65	1215	2	*2
	65	90	54	30	65	1325	2	*2

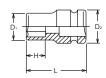
<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 \*2 C-Ring=C81, Pin/O-Ring=A62/B62 → P268-269



16401M • 16401A O 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada







16401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
1. 7/8	66.8	53	23	62	868	2	*2

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

	16401M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
New	16	26.8	43	11	50	290	5	*1
	17	28	43	12	50	300	5	*1
	18	29.3	43	13	50	300	5	*1
	19	30.5	43	13	50	300	5	*1
	20	31.8	43	14	50	302	5	*1
	21	33	43	15	50	305	5	*1
	22	34.3	43	15	50	310	5	*1
	23	35.5	43	16	50	315	5	*1
	24	36.8	43	16	50	325	5	*1
	25	38	43	16	50	326	5	*1
	26	39.3	43	16	50	330	5	*1
	27	40.5	43	16	50	340	5	*1
	28	41.8	43	16	50	345	5	*1
	29	43	43	18	53	355	5	*1
	30	44.3	43	18	53	365	5	*1
	31	45.5	43	18	53	375	5	*1
	32	46.8	43	19	53	385	5	*1
	33	48	43	20	55	395	5	*1
	34	49.3	43	20	55	420	5	*1
	35	50.5	43	20	55	430	5	*1
	36	51.8	43	20	55	440	5	*1
	37	53	43	20	55	460	2	*1
	38	54.3	43	20	57	472	2	*1
New	39	55.5	43	20	57	525	2	*1
	40	56.8	43	20	57	525	2	*1
	41	58	43	22	57	555	2	*1
	42	59.3	43	22	57	565	2	*1
	43	60.5	43	23	62	662	2	*1
	44	61.8	43	23	62	670	2	*1
	45	63	43	23	62	700	2	*1
	46	64.3	43	23	62	710	2	*1

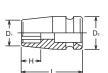
<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



**16410M** O Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





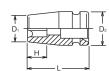


16410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16425 (E) ₫₫ (g) E18 26.3 44 13 50 355 E20 28.8 44 14.4 370 E22 31.3 44 15.5 50 390 5 E24 32.5 17 390 50 5 E26 35 18.8 60 460 5 E28 36.3 25.2 465 60 5 E30 38.8 25.2 480 5 60 41.3 44 E32 25.2 60 480

16425 O TORX® Sockets Vasos TORX®





\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

16425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
24EPL	32.5	44	12.2	55	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	40	44	16.1	62	488	5	*1

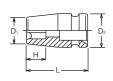
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

# 16425-EPL ()



TORXPLUS® Sockets Vasos TORXPLUS®







TORXplus® (EP/EPL)



EP/EPL	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S <sub>1</sub> (ref. mm	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub> (ref. mm	5.3	6.8	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3





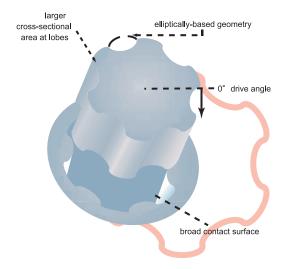












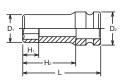
**TORX**° is a registered trademark of **CAMCAR Innovations. TORX**° es una marca registrada de **CAMCAR Innovations.** 



16301X O 6-point Semi-Deep Sockets, Thin Walled Vasos Hexagonales Medianos de Pared Delgada







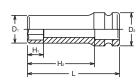
16301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	548	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

# 16300M • 16300A O 6-point Sockets, Deep Vasos Hexagonales Largos







16300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	_	100	1516	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 \*2 C-Ring=C81, Pin/O-Ring=A62/B62



16300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
14	26.3	44	14	74	100	497	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
39	57.5	44	38	70	100	1040	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	-	100	1469	2	*2
55	77.5	54	59	-	100	1620	2	*2
60	83.8	54	56	-	100	1835	2	*2

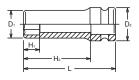
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 \*2 C-Ring=C81, Pin/O-Ring=A62/B62

16301M · 16301A

6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada







16301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 -> P268-269

16301M	D <sub>1</sub>	D <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	L	ŘΨ		(D)
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	(,,
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	730	2	*1
34	49.3	43	34	72	100	750	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
39	55.5	43	38	70	100	908	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	_	100	1328	2	*2

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 \*2 C-Ring=C81, Pin/O-Ring=A62/B62

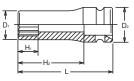
16305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	Ѿ		
14	26.3	44	14	74	100	500	2	*1		
16	28.8	44	16	74	100	522	2	*1		
17	30	44	17	74	100	544	2	*1		
18	31.3	44	18	74	100	600	2	*1		
19	32.5	44	19	74	100	655	2	*1		
21	35	44	21	74	100	700	2	*1		
22	36.3	44	22	74	100	700	2	*1		
23	37.5	44	23	74	100	720	2	*1		
24	38.8	44	24	74	100	715	2	*1		
26	41.3	44	26	74	100	760	2	*1		
27	42.5	44	27	73	100	765	2	*1		
28	43.8	44	28	73	100	800	2	*1		
29	45	44	29	73	100	835	2	*1		
30	46.3	44	30	73	100	840	2	*1		
32	48.8	44	32	72	100	875	2	*1		
33	50	44	33	72	100	920	2	*1		
34	51.3	44	34	72	100	950	2	*1		
35	52.5	44	35	71	100	980	2	*1		
36	53.8	44	36	71	100	960	2	*1		
38	56.3	44	38	70	100	990	2	*1		
41	60	44	38	69	100	1120	2	*1		
46	66.3	44	38	68	100	1305	2	*1		
50	71.3	54	61	-	100	1469	2	*2		
*1 C-Ring=C61, Pin/O-Ring=A61/B61										

<sup>\*2</sup> C-Ring=C81, Pin/O-Ring=A61/B61

\*2 C-Ring=C81, Pin/O-Ring=A62/B62

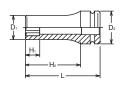
#### 12-point Sockets, Deep Vasos Bihexagonales Largos 16305M ()





**16310N** O Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos





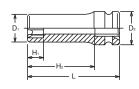


	16310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
ew	15	27.5	44	15	74	100	500	2	*1
	16	28.8	44	16	74	100	524	2	*1
	17	30	44	17	74	100	544	2	*1
	18	31.3	44	18	74	100	642	2	*1
	19	32.5	44	19	74	100	655	2	*1
	21	35	44	21	74	100	700	2	*1
	22	36.3	44	22	74	100	700	2	*1
	24	38.8	44	24	74	100	705	2	*1
	27	42.5	44	27	73	100	710	2	*1
	30	46.3	44	30	73	100	840	2	*1
	32	48.8	44	32	72	100	875	2	*1
	33	50	44	33	72	100	920	2	*1
	36	53.8	44	34	71	100	960	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16325 O TORX® Deep Sockets Vasos TORX® Largos





16325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1
E26	35	44	18.8	74	100	660	2	*1
E28	36.3	44	25.2	74	100	670	2	*1
E30	38.8	44	25.2	75	100	730	2	*1
E32	41.3	44	25.2	75	100	777	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

_ TORX®																					
(E)																					
	<b>†</b>		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
	S <sub>1</sub>	S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
	)   31	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3
S2																					

16106.16 (inch)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)	
1/2	44	24	76	426	2	*1	
9/16	44	24	76	430	2	*1	
5/8	44	24	76	439	2	*1	
3/4	44	24	76	450	2	*1	$\triangle$

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

16106.16 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16106.16 (XZN)	D (mm)	H (mm)	L (mm)	₫Z (g)	(pcs.)	W
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

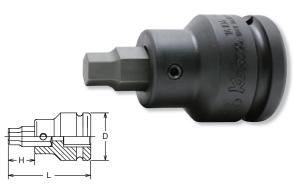
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	(D)
16106	32	44	16	52	370	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 P268-269

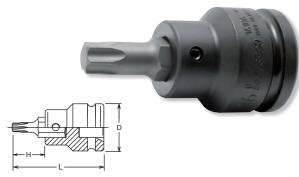
16106-SC

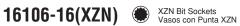
Replacement Screw : M6x10, 

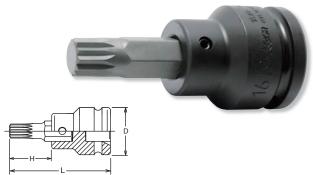
3mm



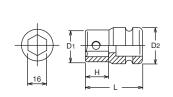
16106-16(T) TORX® Bit Sockets Vasos con Punta TORX®







16106 O Bit Holder, For 107-16 Porta Punta





107-16 Bits for Inhex Screws Puntas para Tormillos Inhex



R	-	16
<b>←</b> ——L——	>	<del>&lt; &gt;</del>

	107.16 (mm)	L (mm)		∑∆ (g)	(pcs.)	
	10	40		46	10	
	12	40		52	10	
	13	40		56	10	
	14	40		60	10	
	16	40		69	10	
	17	40		73	10	
	18	40		78	10	<b>A</b>
	19	40		80	10	
	22	40		97	10	4
	107.16 (inch)	L (mm)		(a) ZA	(pcs.)	
	3/8	40		45	10	
New	7/16	40		53	10	
	1/2	40		56	10	
	9/16	40		60	10	
	5/8	40		69	10	
	3/4	40		80	10	1
	107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)	
	10	100	13	118	10	
	12	100	15	141	10	
	14	100	-	163	10	
	17	100	-	185	10	<u> </u>
	19	100	-	228	10	<u> </u>
	22	100	-	293	10	1

The items with  $\underline{\mathbb{A}}$  have larger output size than 16mm input hex drive. The items with Aniave larger durput size with the standards.

Due to this design the Maximum output torque rating is less than standards.

# 107-16 (T) 🌘



TORX® Bits Puntas TORX®



	107.16 (T)	L (mm)	₫Д (g)	(pcs.)
New	T45	50	45	10
	T50	50	50	10
	T55	50	57	10
	T60	50	64	10
	T70	50	73	10

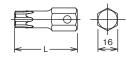
	107.16(L100) (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)
New	T45	100	8	95	10
	T50	100	9	100	10
	T55	100	11.4	104	10
	T60	100	13.4	123	10
	T70	100	15.7	148	10

107-16 (IP)



TORXPLUS® Bits Puntas TORXPLUS®





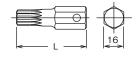
107.16 (IP)	L (mm)	ДД (g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN) 🏶

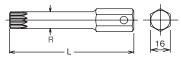


XZN Bits Puntas XZN







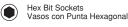


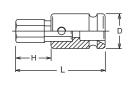
107.16 (XZN)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107.16(L100) (XZN)	L (mm)	R (mm)	ДД (g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

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TORYMAN es una marca registrada de CAMCAR Innovations.

16107-22







\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

The items with  $\triangle$  have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
16107	44	44	22	60	530	2	*1

(g)

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16107.22 (mm)



107.22 (mm)	L (mm)	Д°Д (g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	1
27	50	200	10	1
30	50	227	10	1
32	55	243	10	

107.22 (inch)	L (mm)	Д¯Д (g)	(pcs.)	
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	4
1 1/4	55	2/13	10	1

107.22(L140) (mm)	L (mm)	₫Д (g)	(pcs.)	
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	

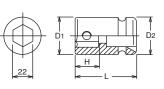
The items with have larger output size than 22mm input hex drive. The items with A have larger output size than azaims input took output.

Due to this design the Maximum output torque rating is less than standards.

107.22 (T)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

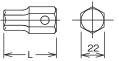
107.22(L140) (T)	L (mm)	ДД (g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5







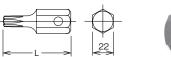
Bits for Inhex Screws Puntas para Tormillos Inhex 107-22







TORX® Bits Puntas TORX® 107-22 (T)







Extension Bars Alargaderas 



	D (mm)	L (mm)	₫'∆ (g)	(pce.)	W
16760-150	44	150	775	1	*1
16760-175	44	175	870	1	*1
16760-200	44	200	955	1	*1
16760-250	44	250	1150	1	*1
16760-330	44	330	1460	1	*1





Adaptor (Quick Release) Adaptador (Extracción Rápida) 16666AL







16644AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)

No Warranty Sin Garantía







16770

Universal Joint Articulación Universal





16771

Universal Joint Articulación Universal





16644A · 16655A

Adaptors Adaptadores

No Warranty Sin Garantía







16688A

Adaptor Adaptador





16688A-250 · -330

Adaptors Adaptadores



	L (mm)	₫∄ (g)	(pcs.)	W				
16666AL	75	660	2	*1				
*1 C Bi CC1 Bi-/O Bi AC1/BC1								

1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

#### Lock & Quick Release

LOCK & QUICK Helease	
LOCK	RELEASE



	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(1)
16644AL	3/4"	1/2"	70	240	2	*1

\*1 Pin/O-Ring=A51/B51 → P269



Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	L (mm)	Д¯Д (g)	(pce.)	(D)
16770	106	790	1	*1
16771	95	720	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269





	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	(D)
16644A	Hole	3/4"	1/2"	54	310	5	*1
16644A-B	Ball	3/4"	1/2"	54	310	5	*1
16644A-P	Pin	3/4"	1/2"	54	310	5	*1



	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pcs.)	(1)
16655A	3/4"	5/8"	55.5	336	5	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 -> P268-269



Adapting down to a smaller square drive may lead to excessive torque load and Adapting down to a smaller square drive.

possibly cause breakage. Always stay within limit torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pce.)	(1)
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P268-269



**16201M • 16201A** O Socket Sets Juegos de Vasos





16201M	13 Pieces Set/🏂 =6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	



16201M-01 · 16201A-01



Sockets Sets Juegos de Vasos





16201M-01	13 Pieces Set/\$\tilde{\bar{A}} = 6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/ὧ∄=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M



Socket Sets Juegos de Vasos



16245M	17 Pieces Set/ὧື∆=12,000g
METAL CASE:W580×H124×T70	mm
Sockets	Accessories
16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	16760-175 16760-330

18400M · 18400A O 6-point Sockets Vasos Hexagonales







	18400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(I)
ı	17	32.8	54	12	57	579	2	*1
	18	34	54	13	57	586	2	*1
	19	35.3	54	13	57	590	2	*1
	20	36.5	54	14	57	595	2	*1
	21	37.8	54	15	57	605	2	*1
	22	39	54	15	57	620	2	*1
	23	40.3	54	16	57	615	2	*1
	24	41.5	54	16	57	627	2	*1
	25	42.8	54	16	57	620	2	*1
	26	44	54	16	57	640	2	*1
	27	45.3	54	16	57	627	2	*1
	28	46.5	54	16	57	640	2	*1
	29	47.8	54	18	57	657	2	*1
	30	49	54	21	62	657	2	*1
	31	50.3	54	21	62	687	2	*1
	32	51.5	54	21	62	685	2	*1
	33	52.8	54	21	62	685	2	*1
	34	54	54	21	62	690	2	*1
	35	55.3	54	21	62	710	2	*1
	36	56.5	54	21	62	712	2	*1
	37	57.8	54	21	62	735	2	*1
	38	59	54	25	66	720	2	*1
	40	61.5	54	25	66	850	2	*1
	41	62.8	54	25	66	850	2	*1
	42	64	54	25	66	905	2	*1
	43	65.3	54	27	68	977	2	*1
	44	66.5	54	27	68	970	2	*1
	45	67.8	54	27	68	963	2	*1
	46	69	54	29	70	1010	2	*1
	47	70.3	66	36	70	1235	2	*2
	48	71.5	66	35	70	1228	2	*2
	50	74	66	35	70	1302	2	*2
	52	76.5	66	40	75	1423	2	*2
	54	79	66	40	75	1492	2	*2
	55	80.3	66	39	75	1501	2	*2
	56	81.5	66	39	75	1520	2	*2
	58	84	66	39	75	1586	2	*2
	60	86.5	66	39	75	1651	2	*2
	62	89	66	38	75	1685	2	*2
	63	90.3	66	38	75	1661	2	*2
	65	92.8	66	38	75 75	1915	2	*2
	67	95.3	66	38	75 75	1872	2	*2 *2
	68 70	96.5 99	66 66	37 37	75 75	1877 1944	1	*2
	75	105.3	86	37	80	2675	1	*3
	80	111.5	86	41	85	2996	1	*3
	85	117.8	86	37	90	3378	1	*3
	90	124	86	40	95	3871	1	*3
	95	130.3	86	43	100	4500	1	*3
	100	136.5	86	47	105	5000	1	*3
	100	130.3	00	47	100	5000	1	3

*1 C-Ring=C81,	Pin/O-Ring=A81/B81
*2 C-Ring=C82,	Pin/O-Ring=A82/B82

<sup>→</sup>P268-269 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

1.13/16	69
1. 7/8	71.
1.15/16	72.
2	75.
2. 1/16	76.
2. 1/8	79
2. 3/16	80.
2. 1/4	82.
2. 5/16	84
2. 3/8	86.
2. 7/16	89
2. 1/2	91.
2. 9/16	92.
2. 5/8	95.
2.11/16	96.
2. 3/4	99
2.13/16	101.
2. 7/8	102.
2.15/16	105.
3	106.
3. 1/16	109
3. 1/8	111.
3. 1/4	115.
3. 3/8	119
3. 1/2	124
3. 3/4	130.
4	137.

18400A (inch)

11/16

3/4

D<sub>1</sub> (mm)

32.8

**13/16** 37.8

35.3

54

54

12

13

15

57

57

57

579

590

2

	07.0	٠.		0,	000	_	
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54         16         57           54         16         57           54         16         57           54         16         57           54         16         57           54         18         57           54         21         62           54         21         62           54         21         62           54         21         62           54         21         62           54         21         62           54         25         66           54         25         66           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68           54         27         68	627	627 2 **			
1. 3/32	46.5	54	16	57	642	2	*1
1. 1/8	47.8	54			657	2	*1
1. 3/16	49	54			657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 9/32	52.8	54	21	62	692	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	54	21	62	730	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2. 1/16	76.5	66	40	75	1423	2	*2
2. 1/8	79	66 40	75	1492	2	*2	
2. 3/16	80.3	66	39	75	1501	2	*2
2. 1/4	82.8	66	39	75	1583	2	*2
2. 5/16	84	66	39	75	1586	2	*2
2. 3/8	86.5	66	39	75	1651	2	*2
2. 7/16	89	66		75	1685	2	*2
2. 1/2	91.5	66	38	75	1780	2	*2
2. 9/16	92.8	66	38	75	1915	2	*2
2. 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2. 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2. 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3. 1/16	109	86	42	85	2967	1	*3
3. 1/8	111.5	86	41	85	2996	1	*3
3. 1/4	115.3	86	44	90	3328	1	*3
3. 3/8	119	86	36	90	3389	1	*3
3. 1/2	124	86	40	95	3871	1	*3
3. 3/4	130.3	86	43	100	4377	1	*3
4	137.8	86	46	105	5152	1	*3

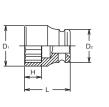
<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81

<sup>\*2</sup> C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269
\*3 C-Ring=C83, Pin/O-Ring=A83/B83



# 18405M • 18405A O 12-point Sockets Vasos Bihexagonales







18405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	66	35	70	1208	2	*2

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 \*2 C-Ring=C82, Pin/O-Ring=A82/B82

→P268-269

# \*2 C-Ring=C82, Pin/O-Ring=A82/B82 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

H (mm)

\*1

\*2

\*2

\*2

\*3

\*2

\*2

\*2

\*3

41.5

45.3

51.5

52.8

55.3

56.5

61.5

62.8

80.3

81.5

86.5

92.8

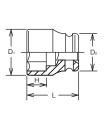
105.3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

111.5









18401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 \*2 C-Ring=C82, Pin/O-Ring=A82/B82

→P268-269

18401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	W
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	29	70	1153	2	*2
50	71	65	35	70	1235	2	*2

**18410M** O Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)

"







	18410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(I)
New	19	35.3	54	13	57	570	2	*1
New	22	39	54	15	57	620	2	*1
	24	41.5	54	16	57	627	2	*1
	27	45.3	54	16	57	627	2	*1
	30	49	54	21	62	657	2	*1
	32	51.5	54	21	62	685	2	*1
	33	52.8	54	21	62	685	2	*1
	36	56.5	54	21	62	712	2	*1
	41	62.8	54	25	66	850	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

#### 



	CO.	*1
1		

18104M (mm)	D <sub>1</sub> (mm)	D₂ (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
36	56.5	54	36	170	1800	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269



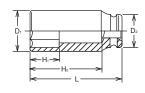
18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	65	55	-	85	1458	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82



# 18300M · 18300A

6-point Sockets, Deep Vasos Hexagonales Largos



	18300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
New	17	32.8	54	17	77	108	978	2	*1
	19	35.3	54	19	77	108	1010	2	*1
New	20	36.5	54	20	77	108	1010	2	*1
	21	37.8	54	21	77	108	1010	2	*1
	22	39	54	22	77	108	1010	2	*1
	23	40.3	54	23	77	108	1063	2	*1
	24	41.5	54	24	77	108	1060	2	*1
	25	42.8	54	25	77	108	1085	2	*1
	26	44	54	26	77	108	1133	2	*1
	27	45.3	54	27	77	108	1125	2	*1
	28	46.5	54	28	77	108	1140	2	*1
	29	47.8	54	29	77	108	1120	2	*1
	30	49	54	30	77	108	1179	2	*1
	31	50.3	54	31	77	108	1125	2	*1
	32	51.5	54	32	77	108	1200	2	*1
	33	52.8	54	33	77	108	1200	2	*1
	34	54	54	34	77	108	1280	2	*1
	35	55.3	54	35	77	108	1300	2	*1
	36	56.5	54	36	76	108	1280	2	*1
	37	57.8	54	37	76	108	1320	2	*1
	38	59	54	38	76	108	1423	2	*1
	40	61.5	54	38	75	108	1415	2	*1
	41	62.8	54	38	75	108	1450	2	*1
	42	64	54	38	75	108	1550	2	*1
	44	66.5	54	38	74	108	1636	2	*1
	45	67.8	54	38	74	108	1660	2	*1
	46	69	54	38	74	108	1680	2	*1
	48	71.5	66	67	-	108	1729	2	*2
	50	74	66	66	-	108	1879	2	*2
	52	76.5	66	65	-	108	2000	2	*2
	55	80.3	66	63	-	108	2088	2	*2
	60	86.5	66	60	-	108	2290	2	*2
	65	92.8	66	58	-	108	2643	2	*2
	70	99	66	55	-	108	2792	1	*2
	75	105.3	86	52	-	108	3646	1	*3
	80	111.5	86	49	_	108	4039	1	*3
	85	117.8	86	59	-	108	4000	1	*3
	90	124	86	57	_	108	4200	1	*3
	95	130.3	86	55	-	108	4400	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82
\*3 C-Ring=C83, Pin/O-Ring=A83/B83



18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	-	108	1729	2	*2
1.15/16	72.8	66	67	-	108	1799	2	*2
2	75.3	66	66	-	108	1834	2	*2
2. 1/16	76.5	66	65	-	108	2000	2	*2
2. 1/8	79	66	64	-	108	2044	2	*2
2. 3/16	80.3	66	63	-	108	2088	2	*2
2. 1/4	82.8	66	62	-	108	2153	2	*2
2. 5/16	84	66	61	-	108	2225	2	*2
2. 3/8	86.5	66	60	-	108	2290	2	*2
2. 7/16	89	66	59	-	108	2364	2	*2
2. 1/2	91.5	66	58	-	108	2581	2	*2
2. 9/16	92.8	66	58		108	2643	2	*2
2. 5/8	95.3	66	56	-	108	2711	1	*2
2. 3/4	99	66	55	_	108	2792	1	*2
2. 7/8	102.8	86	53	-	108	3600	1	*3
2.15/16	105.3	86	52	-	108	3646	1	*3
3	106.5	86	51	-	108	3677	1	*3
3. 1/16	109	86	50	-	108	3939	1	*3
3. 1/8	111.5	86	49	-	108	4039	1	*3
3. 3/16	112.8	86	48	-	108	4170	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*2 C-Ring=C82, Pin/O-Ring=A82/B82 \*3 C-Ring=C83, Pin/O-Ring=A83/B83



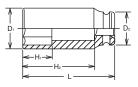
18301M • 18301A O 6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Parad De Igada





18301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82
→P268-269



18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	997	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1. 3/4	64.8	53	38	74	108	1400	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

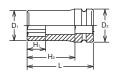
→ P268-269

# 18310M ()



Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos





18310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



18106.16 (mm) (g) 

18106.16 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)	
1/2	54	24	92	696	2	*1	
9/16	54	24	92	700	2	*1	
5/8	54	24	92	709	2	*1	
3/4	54	24	92	764	2	*1	1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

18106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	W
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269

18106.16 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
M14	54	44	112	723	2	*1
M16	54	44	112	733	2	*1
M18	54	44	112	743	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

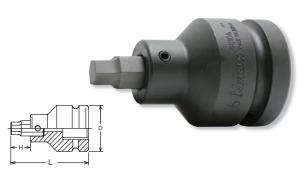
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	Ѡ
18106	32	54	16	68	640	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

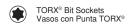
16106-SC

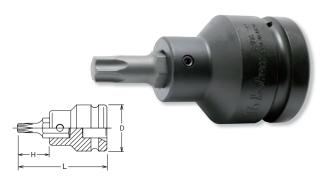
Replacement Screw : M6x10, ●3mm

18106-16 Hex Bit Sockets Vasos con Punta Hexagonal



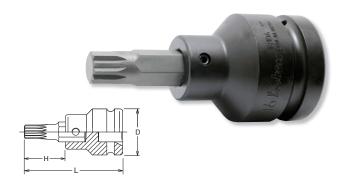
18106-16(T)





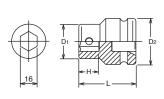
18106-16(XZN)







Bit Holder Porta Punta





107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



	107.16 (mm)	L (mm)		<b>1</b> 19)	∭ (pcs.)	
	10	40	4	6	10	
	12	40	5	2	10	
	13	40	5	6	10	
	14	40	6	0	10	
	16	40	6	9	10	
	17	40	73		10	1
	18	40	7	8	10	
	19	40	8	0	10	<u>^</u>
	22	40	9	7	10	1
	107.16 (inch)	L (mm)		<b>A</b> 9)	(pcs.)	
	3/8	40	4	5	10	
New	7/16	40	5	3	10	
	1/2	40	5	6	10	
	9/16	40	6	0	10	
	5/8	40	6	9	10	
	3/4	40	8	0	10	1
	107.16(L100) (mm)	L (mm)	R (mm)	Д"Д (g)	(pcs.)	
	10	100	13	118	10	
	12	100	15	141	10	
	14	100	-	163	10	
	17	100	-	185	10	1
	19	100	-	228	10	

22

100

107-16 (T)



TORX® Bits Puntas TORX®



	107.16 (T)	L (mm)	(g) A A	(pcs.)
€W	T45	50	45	10
	T50	50	50	10
	T55	50	57	10
	T60	50	64	10
	T70	50	73	10

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

293

10

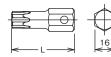
	107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
New	T45	100	8	95	10
	T50	100	9	100	10
	T55	100	11.4	104	10
	T60	100	13.4	123	10
	T70	100	15.7	148	10

107-16 (IP)



TORXPLUS® Bits Puntas TORXPLUS®





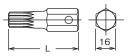
107.16 (IP)	L (mm)	₫Д (g)	ළ (pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10
60IP	50	64	10

107-16 (XZN) •



XZN Bits Puntas XZN









107.16 (XZN)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107.16(L100) (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

**TORX**° is a registered trademark of **CAMCAR Innovations. TORX**° es una marca registrada de **CAMCAR Innovations.** 

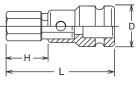
TORYMAN is a registered trademark of CAMCAR Innovations.
TORYMAN es una marca registrada de CAMCAR Innovations.

18107-22

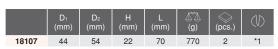


Hex Bit Sockets Vasos con Punta Hexagonal





Bit Holder Porta Punta



\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16107-SC

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269

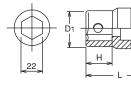
\*1

The items with have larger output size than 22mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.



Replacement Screw : M8x14, ●4mm





107.22 (mm)	L (mm)	₫Д (g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	$\triangle$
27	50	200	10	$\triangle$
30	50	227	10	<u> </u>
32	55	243	10	$\triangle$

107.22 (inch)	L (mm)	Ø∄ (g)	(pcs.)	
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	1
1. 1/4	55	243	10	

107.22(L140) (mm)	L (mm)	₫Д (g)	(pcs.)
17	140	431	5
19	140	441	5
22	140	460	5
24	140	513	5

The items with  $\triangle$  have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

107.22 (T)	L (mm)	(g) T	(pcs.)	
T 70	60	129	10	
T 80	60	141	10	
T 90	60	155	10	
T100	60	170	10	
107.22(L140) (T)	L (mm)	₫Д (g)	(pcs.)	
	L (mm) 140	ДД (g) 395		
(T)	· , ,		(pcs.)	
(T) T 70	140	395	(pcs.)	











18108.32 (mm)	D (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)	W
19	54	30	105	1230	2	*1
22	54	30	105	1250	2	*1
24	54	30	105	1260	2	*1
27	54	30	105	1290	2	*1
30	54	30	105	1320	2	*1
32	54	30	105	1340	2	*1
36	54	30	105	1390	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 --> P268-269

↑ The items with ↑ have larger output size than 32mm input hex drive.

Due to this design the Maximum output torque rating is less than DIN/ISO standards.





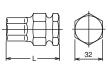
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
18108	55	54	30	75	930	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269

18108-SC

107-32 Bit for Inhex Screws Puntas para Tornillos Inhex

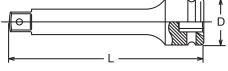




107.32 (mm)	L (mm)	₫Д (g)	(pcs.)	
19	60	300	10	
22	60	320	10	
24	60	330	10	
27	60	360	10	
30	60	390	10	
32	60	410	10	
36	60	460	10	⚠

**18760** Extension Bars Alargaderas





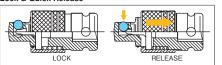
	D (mm)	L (mm)	₫¼ (g)	(pce.)	W
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18888AL 980 95

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

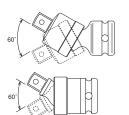
#### Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	Д¯Д (g)	(pce.)	(D)
18770	127	1350	1	*1
18771	115	1210	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
18866A	1"	3/4"	67	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
18877A	1"	1.1/2"	80	935	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



18888AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)





Universal Joint Articulación Universal 18770



Universal Joint Articulación Universal 18771



18866A Adaptors Adaptadores

No Warranty Sin Garantia

18866A-200 1





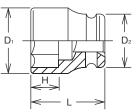
Adaptor Adaptador 18877A





17400M • 17400A O 6-point Sockets Vasos Hexagonales







	17400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	ДД (g)	(pce.)	(V)
	36	62	86	20	77	2126	1	*1
	41	68	86	22	80	2346	1	*1
	42	70	86	22	80	2330	1	*1
	46	74	86	26	84	2360	1	*1
	50	79	86	27	84	2400	1	*1
	52	82	86	38	84	2340	1	*1
	54	84	86	38	84	2340	1	*1
	55	85	86	44	90	2450	1	*1
New	57	87	86	43	90	2460	1	*1
	58	88	86	44	90	2510	1	*1
	60	91	86	43	90	2640	1	*1
	65	97	86	48	95	3050	1	*1
	70	103	86	52	100	3350	1	*1
	75	108	86	56	105	3700	1	*1
	80	115	86	60	110	4240	1	*1
	85	122	86	60	110	4550	1	*1
	90	128	86	60	112	4840	1	*1
	95	135	127	52	112	7660	1	*2
	100	140	127	53	115	7700	1	*2
	105	146	127	57	120	8000	1	*2
	110	153	127	60	124	9200	1	*2
	115	160	127	62	128	10700	1	*2
	120	166	127	64	132	11200	1	*2
	125	173	127	67	136	13000	1	*2
	130	180	127	69	140	14200	1	*2
	135	186	127	73	145	14940	1	*2
	140	190	127	76	150	15600	1	*2
	150	200	127	83	160	16500	1	*2

17400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71

\*2 Pin/O-Ring=A72/B72

→ P268-269

17405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	(D)
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

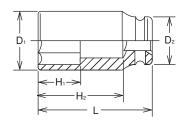
	17405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	ДД (g)	(pce.)	(D)
	1.11/16	71	86	22	80	2300	1	*1
	1. 3/4	73	86	22	80	2290	1	*1
	1. 7/8	77	86	26	84	2440	1	*1
	1.15/16	79	86	27	84	2400	1	*1
	2	80	86	27	84	2420	1	*1
	2. 1/16	82	86	38	84	2340	1	*1
	2. 1/8	84	86	38	84	2340	1	*1
	2. 3/16	85	86	44	90	2450	1	*1
	2. 1/4	87	86	43	90	2460	1	*1
	2. 3/8	91	86	43	90	2640	1	*1
	2. 7/16	93	86	47	95	2860	1	*1
	2. 1/2	96	86	47	95	3000	1	*1
	2. 9/16	97	86	48	95	3050	1	*1
	2. 5/8	100	86	51	100	3300	1	*1
New	2.13/16	105	86	55	105	3400	1	*1
	2.15/16	108	86	56	105	3700	1	*1

<sup>\*1</sup> C-Ring=C71, Pin/O-Ring=A71/B71

\*2 Pin/O-Ring=A72/B72

→ P268-269





							·~~	
17300M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	(a)	(ncc)	(D)
_ ` ′_	` '	` ′	, ,	, ,		(g)	(pce.)	
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

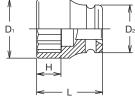
<sup>\*1</sup> C-Ring=C71, Pin/O-Ring=A71/B71

\*2 Pin/O-Ring=A72/B72









17300M · 17300A



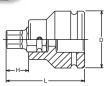


17300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pce.)	(I)
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

<sup>\*1</sup> C-Ring=C71, Pin/O-Ring=A71/B71

\*2 Pin/O-Ring=A72/B72





17108.32 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

17108 O Bit Holder, For 107-32 Porta Punta



_								
ı		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¾ (g)	(pce.)	ℂⅅ
	17108	60	86	30	85	2200	1	*1

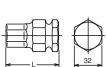
\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

16107-SC

Replacement Screw : M8x14, 

4mm







107.32 (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10

The items with have larger output size than 32mm input hex drive. Due to this design the Maximum output torque rating is less than DIN/ISO standards.



1-1/2" Impact Sockets

17760	D (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

	L (mm)	₫ <u>Ђ</u> (g)	(pce.)	(V)
17770	200	4700	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 -> P268-269



**17760** Extension Bars Alargaderas

	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
17788A	1.1/2"	1"	98	2600	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and operible course trades. excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫¼ (g)	(pce.)	W
17799A	1.1/2"	2.1/2"	115	3790	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

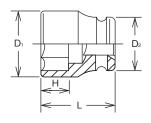






19400M • 19400A O 6-point Sockets Vasos Hexagonales







19400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	W
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

<sup>\*1</sup> Pin/O-Ring=A91/B91 \*2 Pin/O-Ring=A92/B92 → P269

2-1/2" Impact Sockets

19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pce.)	W
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

<sup>\*1</sup> Pin/O-Ring=A91/B91 \*2 Pin/O-Ring=A92/B92

19760	D (mm)	L (mm)	₫∄ (g)	(pce.)	Ѿ
250	127	250	17800	1	*1
500	127	500	27800	1	*1

\*1 Pin/O-Ring=A91/B91 -> P269



	L (mm)	₫∄ (g)	(pce.)	W
19770	303	21360	1	*1

\*1 Pin/O-Ring=A91/B91 -> P269



		凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	(D)
1997	7A	2.1/2"	1.1/2"	145	7210	1	*1

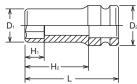
\*1 Pin/O-Ring=A91/B91 → P269

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and openible cause trade. excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



#### 19300M () 6-point Deep Sockets Vasos Hexagonales Largos





Extension Bars Alargaderas 19760



Universal Joint Articulación Universal 19770



19977A Adaptor Adaptador

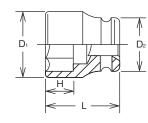


10400M · 10400A O 6-point Sockets Vasos Hexagonales









10400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(D)
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A	D <sub>1</sub>	D <sub>2</sub>	Н	L	<u> </u>		(V)
(inch)	(mm)	(mm)	(mm)	(mm)	(g)	(pce.)	(V)
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

\*1 Pin/O-Ring=A01/B01 \*2 Pin/O-Ring=A02/B02 → P269



Adaptor Adaptador

No Warranty Sin Garantía





\*1 Pin/O-Ring=A01/B01 → P269



Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

10099A

# Sleeve Drive Sockets

1/2"

3/4"



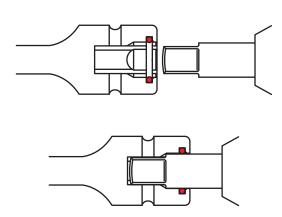


The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con casquillo conductor evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del casquillo conductor optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.



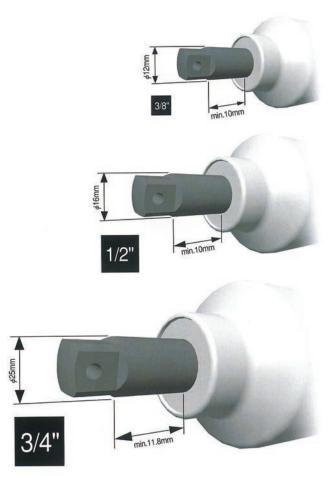
## SLEEVE DRIVE SOCKET PULSE TOOL



The "Sleeve Drive" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8

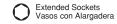


NV13400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	Ѿ
8	13.3	19	6	43	50	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32



# NV13145-100 · -150 · -200



6     13     19     6     100     108     5     *1       8     13     19     8     100     110     5     *1       10     15.5     19     10     100     112     5     *1       12     18     19     12     100     120     5     *1       13     19     19     13     100     127     5     *1       14     21     19     14     100     131     5     *1       15     22     19     15     100     133     5     *1       16     24     19     15     100     144     5     *1       17     25     19     15     100     154     5     *1	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	(W)
10         15.5         19         10         100         112         5         *1           12         18         19         12         100         120         5         *1           13         19         19         13         100         127         5         *1           14         21         19         14         100         131         5         *1           15         22         19         15         100         133         5         *1           16         24         19         15         100         144         5         *1	6	13	19	6	100	108	5	*1
12     18     19     12     100     120     5     *1       13     19     19     13     100     127     5     *1       14     21     19     14     100     131     5     *1       15     22     19     15     100     133     5     *1       16     24     19     15     100     144     5     *1	8	13	19	8	100	110	5	*1
13         19         19         13         100         127         5         *1           14         21         19         14         100         131         5         *1           15         22         19         15         100         133         5         *1           16         24         19         15         100         144         5         *1	10	15.5	19	10	100	112	5	*1
14     21     19     14     100     131     5     *1       15     22     19     15     100     133     5     *1       16     24     19     15     100     144     5     *1	12	18	19	12	100	120	5	*1
15         22         19         15         100         133         5         *1           16         24         19         15         100         144         5         *1	13	19	19	13	100	127	5	*1
<b>16</b> 24 19 15 100 144 5 *1	14	21	19	14	100	131	5	*1
	15	22	19	15	100	133	5	*1
<b>17</b> 25 19 15 100 154 5 *1	16	24	19	15	100	144	5	*1
	17	25	19	15	100	154	5	*1

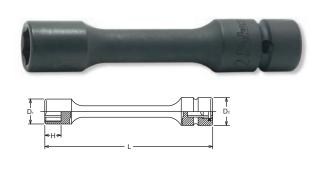
NV13145.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
6	13	19	6	150	163	5	*1
8	13	19	8	150	158	5	*1
10	15.5	19	10	150	165	5	*1
12	18	19	12	150	168	5	*1
13	19	19	13	150	170	5	*1
14	21	19	14	150	175	5	*1
15	22	19	15	150	177	5	*1
16	24	19	15	150	190	5	*1
17	25	19	15	150	203	5	*1

NV13145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∄ (g)	(pcs.)	W
6	13	19	6	200	209	5	*1
8	13	19	8	200	203	5	*1
10	15.5	19	10	200	212	5	*1
12	18	19	12	200	214	5	*1
13	19	19	13	200	218	5	*1
14	21	19	14	200	220	5	*1
15	22	19	15	200	226	5	*1
16	24	19	15	200	235	5	*1
17	25	19	15	200	250	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

NV13760	TYPE	D (mm)	L (mm)	Ø∆ (g)	(pcs.)	W
75P	Pin	19	75	95	5	*1
125P	Pin	19	125	125	5	*1
150P	Pin	19	150	150	5	*1
250P	Pin	19	250	255	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269



#### Extension Bars Alargaderas NV13760-P

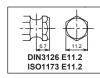






183H.35 (mm)	L (mm)	₫Д (g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	$\triangle$
14	35	35	10	
16	35	47	10	
17	35	50	10	
18	35	53	10	
19	35	56	10	1

The items with have larger output size than 7/16" input hex drive. The items with the Maximum output torque rating is less than standards.



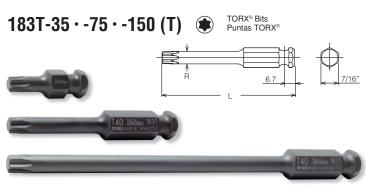
183H.35 (inch)	L (mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	⚠

183H.75 (mm)	L (mm)	R (mm)	₫∄ (g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10
		_	x-7-3	907

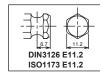
183H.150 (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	-	136	10	$\triangle$



	183H.75B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)
New	6B	75	5.7	39	10
New	8B	75	7.7	44	10
New	10B	75	9.7	49	10
New	12B	75	11.7	72	10
_					
	183H.150B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)
New		L (mm) 150			
New New	(mm)	, ,	(mm)	(g)	(pcs.)
	(mm) 6B	150	(mm) 5.7	(g) 65	(pcs.)
New	(mm) 6B 8B	150 150	(mm) 5.7 7.7	(g) 65 71	(pcs.) 10 10



	183T.75 (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
New	T25	75	6	33	10	
New	T27	75	6	33	10	
	T30	75	6	35	10	
	T40	75	6.9	37	10	
	T45	75	8	41	10	
	T50	75	9	45	10	
	T55	75	11.4	55	10	
	T60	75	13.5	67	10	1



183T.35 (T)	L (mm)	₫Д (g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	Â

183T.150 (T)	L (mm)	R (mm)	Д¯Д (g)	∭ (pcs.)	
T30	150	6	50	10	
T40	150	6.9	58	10	
T45	150	8	70	10	
T50	150	9	82	10	
T55	150	11.4	113	10	
w T60	150	13.5	148	10	<u> </u>

The items with have larger output size than 7/16" input hex drive. The items with A have larger output size than 7710 important of the Due to this design the Maximum output torque rating is less than standards.

XZN Bits Puntas XZN

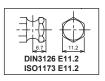
TORXPLUS® Bits Puntas TORXPLUS®

183T.35 (IP) ₫₫ (g) 30IP 35 18 10 40IP 35 20 10 45IP 35 22 10 50IP 35 26 10 55IP 35 30 10 38 10

183T.75 (IP)	L (mm)	R (mm)	₫¼ (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	$\triangle$

The items with have larger output size than 7/16" input hex drive. The items with A have larger output size man // 10 imput noc circle.

Due to this design the Maximum output torque rating is less than standards.



183X.35 (XZN)	L (mm)	₫Д (g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X.75 (XZN)	L (mm)	R (mm)	₫¼ (g)	(pcs.)	
M 4	75	6	34	10	Ī
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	A

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

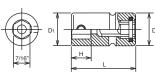
	D <sub>1</sub> (mm)	D₂ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	₩
NV13134	24	22	15	45	100	5	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

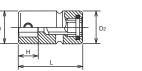
DIN3126 / ISO1173 E11.2 Bits







NV13134



3/8",1/2"

TORX pleas

DIN3126 E11.2

ISO1173 E11.2

183T-35 ⋅ -75 (IP) ●

6.7

6.7

(XZN) M 5

M 6

M 8

M10

M12

M14

183X-35 ⋅ -75 ⋅ -150 (XZN) ●

150

150

150

150

150

150

Bit Holder Porta Punta

Bit Holder

Porta Punta

6

6.2

7.4

9.8

11.7

13.5



50

53

64

93

121

151

10

10

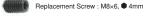
10

10

10

10

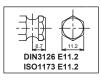
13134-SC



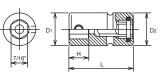
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
NV14134	24	25	15	55	130	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

For DIN3126 / ISO1173 E11.2 Bits



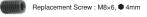




NV14134



13134-SC

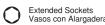


NV14400 O 6-point Sockets Vasos Hexagonales

NV14400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(N)
10	17	25	7	52	120	10	*1
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42







NV14145.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

NV14145.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

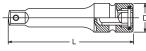
NV14145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

## NV14760-P

Extension Bars Alargaderas





NV14760	TYPE	D (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
75P	Pin	25	75	149	10	*1
125P	Pin	25	125	226	5	*1
175P	Pin	25	175	308	5	*1
250P	Pin	25	250	422	1	*1
				_		

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

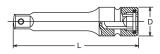
#### NV14433A-P

Adaptors

No Warranty Sin Garantía







NV14433A	凹 (mm)	凸 (mm)	D (mm)	L (mm)	Ø∄ (g)	(pcs.)	(1)
75P	1/2"	3/8"	25	75	120	10	*1
100P	1/2"	3/8"	25	100	145	10	*1
150P	1/2"	3/8"	25	150	187	5	*1

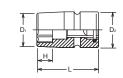
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

of the smaller square drive.

Adapting down from bigger square drive to smaller square drive may lead to Adapting down from bigger square drive to smaller square drive in smaller square drive in safe torque excessive torque load and possibly cause breakage. Always stay within safe torque

NV16400 🔾	6-point Sockets Vasos Hexagonales
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NV16400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P268-269

56.3

66.3

NV16760

Extension Bars Alargaderas



NV16760	D (mm)	L (mm)	Д¯Д (g)	(pce.)	(D)
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.



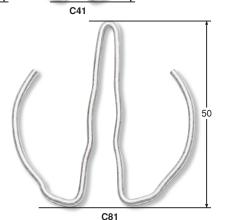


# **C-Ring**

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	No.	Ø	Opening (mm)	(pcs.)
$ \begin{array}{c ccccc} \textbf{C41} & & \boxed{1/2^n} & \leq 14 & 100 \\ \textbf{C42} & & \boxed{1/2^n} & > 14 & 100 \\ \textbf{C61} & & \boxed{3/4^n} & \leq 46 & 100 \\ \textbf{C81} & & \boxed{1^n} & \leq 46 & 100 \\ \end{array} $	C31	3/8"	≦12	100
C42 1/2" >14 100 C61 3/4" ≤46 100 C81 1" ≤46 100	C32	3/8"	>12	100
C61     3/4"     ≤46     100       C81     1"     ≤46     100	C41	1/2"	≦14	100
<b>C81</b> 1" ≤46 100	C42	1/2"	>14	100
	C61	3/4"	≦46	100
C82 1" 47-70 50	C81	1"	≦46	100
	C82	1"	47-70	50
C83 1" >70 50	C83	1"	>70	50
<b>C71</b> 1-1/2" ≤90 50	C71	1-1/2"	≦90	50



C61



# **C-Ring Set**

•			
Set No.	Ø	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 +	- 149
PKC32	3/8"	C32 +	- 149
PKC41	1/2"	C41 +	- 149
PKC42	1/2"	C42 +	- 149
PKC61	3/4"	C61 +	- 152
PKC81	1"	C81 +	- 152

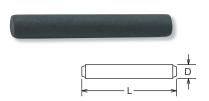
C42

#### **Puller**

No.	Ø	(pcs.)
149	3/8" 1/2"	10
152	3/4" 1"	10







# Pin

No.	Ø	Opening (mm)	D (mm)	L (mm)	(pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≦ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≦ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≦ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≦ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≦ 90	6	75	50
A72	1-1/2"	> 90	6	110	1
A91	2-1/2"	≦115	8	110	1
A92	2-1/2"	>115	8	155	1
A01	3-1/2"	≦140	13	155	1
A02	3-1/2"	>140	13	180	1





# 0-Ring

No.	Ø	Opening (mm)	D₁ (mm)	D <sub>2</sub> (mm)	(pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≦ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≦ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≦ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≦ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≦ 90	10	75	50
B72	1-1/2"	> 90	10	114	1
B91	2-1/2"	≦115	10.5	114	1
B92	2-1/2"	>115	10.5	158	1
B01	3-1/2"	≦140	15	158	1
B02	3-1/2"	>140	15	183	1

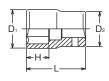
IMPACT Standard	Sq.Dr.	1/4"		<u>/8"</u>		<u>′2"</u>		<u>'4"</u>		1"			1/2"
Sockets	C-Ring	804 (P04	C31	C32	C41	C42	C61	C81	C81	C82	C83	C71	470 (P70
size 4	Pin/O-Ring	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/B62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4.5	3/16	•											
5 5.5		•											
6	1/4 9/32	•	•		•								
7 8	5/16	•	•		•								
9	11/32 3/8	•	•		•								
11	7/16	•	•		•								
12 13	1/2	•	•	•	•								
14	9/16	•		•	•		•						
15 16	5/8			•		•	•						
17	11/16			•		•	•		•				
18 19	3/4			•		•	•		•				
20				•		•	•		•				
21 22	13/16 7/8			•		•	•		•				
23 24	15/16			•		•	•		•				-
25	1					•	•		•				
26 27	1- 1/16					•	•		•				
28						•	•		•				
29 30	1- 1/8 1- 3/16					•	•		•				
31						•	•		•				
32 33	1- 1/4 1- 5/16					•	•		•				
34 36	1- 3/8					•	•		•				
36	1- 7/16					•	•		•			•	
38 39	1- 1/2					•	•		•			•	
40	1- 9/16					•	•		•			•	
41 42	1- 5/8					•	•		•			•	
43	1- 11/16						•		•			•	
44 45	1- 3/4						•		•			•	
46	1- 13/16						•		•			•	
47 48	1- 7/8							•		•		•	
	1- 15/16							•		•		•	
50	2							•		•		•	
52 54	2- 1/16 2- 1/8							•		•		•	
55	2- 3/16							•		•		•	
56	2- 1/4							•		•		•	
58	2- 5/16							•		•		•	
60 62	2- 3/8 2- 7/16							•		•		•	
63								•		•		•	
65	2- 1/2 2- 9/16							•		•		•	
67 68	2- 5/8 2- 11/16							•		•		•	
70	2- 3/4							•		•		•	
	2- 13/16 2- 7/8										•	•	
75	2- 15/16										•	•	
	3 3- 1/16										•	•	
80	3- 1/8 3- 1/4										•	•	
85											•	•	
90	3- 3/8 3- 1/2										•	•	
	3- 5/8										•	•	
95 100	3- 3/4 3- 7/8										•		•
105	4										•		•
110	4- 1/8 4- 1/4												•
115 120	4- 1/2 4- 5/8												•
	4- 3/4												•
125 130	4- 7/8 5												•
135	5- 1/4												•
140 150													•
100	6												•
	6- 1/2												•



22400M ()





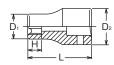




22400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10







22425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

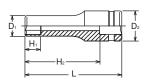
**TORX**® (E)

		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
8	1 (ref. mm	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
5	2 (ref. mm	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

# 







22300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¯₫ (g)	(pcs.)
7	10.5	11.2	8	40	50	24	10
8	11.8	11.2	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10

22300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)
1/4	9.8	11.2	7	40	50	24	10
5/16	11.8	11.2	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10

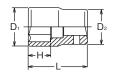


INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.

FLAT DRIVE®

# 23400M · 23400A O 6-point Sockets Vasos Hexagonales



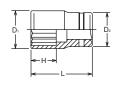


(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

23400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

23405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10







23410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

23410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	⊕`∆ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

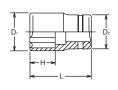
23425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18.1	17	11.8	26	27	10



SURFACE DRIVE



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )

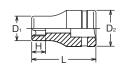




23425



TORX® Sockets Vasos TORX®







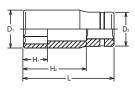
	Ε	≣	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
5	S <sub>1</sub> (re	ef. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
)¹ §	S <sub>2</sub> (re	ef. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

23300M • 23300A O 6-point Sockets, Deep Vasos Hexagonales, largos









23300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

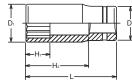
23300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10



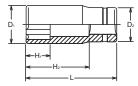
23305M O 12-point Deep Sockets Vasos Bihexagonales Largos









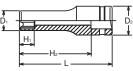


23310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

23325	0	TORX® Deep Sockets Vasos TORX®, largos





		IN STATE OF THE PARTY OF THE PA	H <sub>2</sub>
23103M	0	Stud Bolt Setters Vasos para apretar pernos	





Extension Bars Alargaderas 23760-P



23103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)	W
6(1.0)	11.1	22	9	59	175	10	*1
8(1.25)	13.6	22	11	61	181	10	*1
10(1.25)	16	22	13	63	188	10	*1
10(1.5)	16	22	13	63	188	10	*1

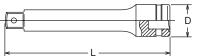
\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

This item is not suitable for impact drivers.

This item is not suitable for impact orivers.

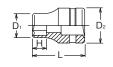
Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

23760	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5
		_		



FLAT DRIVE®

# 24400M • 24400A O 6-point Sockets Vasos Hexagonales





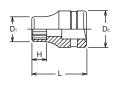
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5
					-0-	
244004	_ P		11		¥_∆¥	

24400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

24405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
10	26.6	25	1.4	20	00	10

24405M





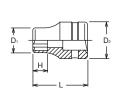




24425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

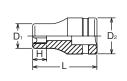
24410M ()

Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )





TORX® Sockets Vasos TORX® 24425







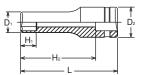
	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

24300M • 24300A O 6-point Sockets, Deep Vasos Hexagonales, largos









	24300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)
	10	15.3	21	11	59	77	91	10
	11	16.5	21	12	59	77	95	10
	12	17.8	21	13	59	77	99	10
	13	19	21.8	14	59	77	107	10
	14	20.3	21.8	16	59	77	118	10
	15	21.5	21.8	16	59	77	123	10
	16	22.8	22	17	59	77	141	10
	17	24	23	18	59	77	150	10
	18	25	24	19	59	77	164	10
	19	26.5	25	20	58	77	177	10
	20	27.8	26	21	58	77	178	10
	21	29	27	23	58	77	187	10
	22	30	28	27	57	77	202	10
New	23	31.5	29	27	57	77	235	10
	24	32.8	30	27	57	77	252	10
	27	36.5	33	28	56	77	303	10
	30	40	36	34	55	77	342	10
	32	42.8	38	34	55	77	405	10

24300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(I)
8(1.25)	15.4	30	15	69	332	10	*1
10(1.25)	17.8	30	18	72	344	10	*1
10(1.5)	17.8	30	18	72	344	10	*1
12(1.75)	20.2	30	19	74	352	10	*1

\*1 C-Ring=C42, Pin/O-Ring=A42/B42 > P268-269

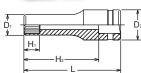
This item is not suitable for impact drivers.

Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

2476	60	D (mm)	L (mm)	₫∄ (g)	(pcs.)
75	Р	24	75	140	10
125	Р	24	125	200	5
250	Р	24	250	370	5
		L	D		

#### 12-point Deep Sockets Vasos Bihexagonales Largos 24305M ()



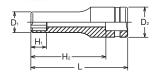


Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos 24310M ()





SURFACE DRIVE

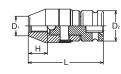


24103M O



Stud Bolt Setters
Vasos para apretar pernos





24760-P Extension Bars Alargaderas



3/8"

1/2"

**◆ 1/4**"

# Sockets with Turnable Plastic Protectors







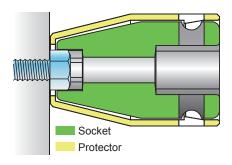
#### Safety

Turnable plastic protector increases operator's safety during assembly process.



#### Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.





13400M (mm)	D <sub>1</sub> (mm)	D₂ (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60

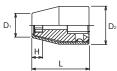










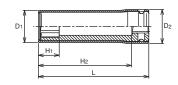




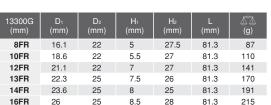
13300M-FR O 6-point Sockets, Deep Vasos Hexagonales Largos

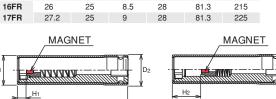


(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173









#### 13300G-FR



Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo





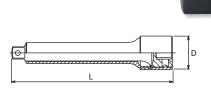


13760-P.FR

Extension Bars Alargaderas



	D (mm)	L (mm)	(g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220





The Protectors could be broken with any Impacts. Please handle with care.

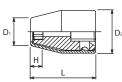
14400M-FR O 6-point Sockets Vasos Hexagonales







	14400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)
	10FR	19.5	28	7	39.3	90
	12FR	22	28	9	39.3	90
	13FR	23.2	28	10	39.3	90
	14FR	24.8	28	11	39.3	90
New	15FR	26.6	33	11	39.3	135
	16FR	27	33	10	39.3	135
	17FR	28.2	33	12	39.3	135
New	18FR	30.2	33	13	39.3	135
	19FR	31	33	13	39.3	130



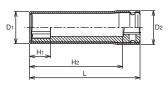
14300M-FR O 6-point Sockets, Deep Vasos Hexagonales Largos







	14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)
	10FR	19.8	28	11	63	81.3	145
	12FR	22.3	28	13	63	81.3	167
	13FR	23.5	28	14	63	81.3	167
	14FR	24.8	28	15	63	81.3	179
	16FR	27.3	33	17	63	81.3	237
	17FR	28.5	33	18	63	81.3	237
New	18FR	29.8	33	18	62	81.3	237
	19FR	31	33	20	62	81.3	245



#### 14300G-FR



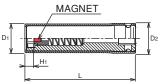
Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo

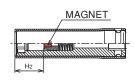






14300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H₂ (mm)	L (mm)	₫Д (g)
10FR	19.8	28	5.5	27	81.3	145
12FR	22.3	28	7	27	81.3	170
13FR	23.5	28	7.5	26	81.3	190
14FR	24.8	28	8	25	81.3	194
16FR	27.3	33	8.5	27.5	81.3	275
17FR	28.5	33	9	27.5	81.3	277
19FR	31	33	10	28.5	81.3	313



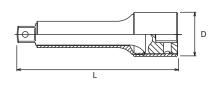


14760-P.FR Extension Bars Alargaderas



	D (mm)	L (mm)	Ø∆ (g)
14760-75P.FR	34.2	75	195
14760-125P.FR	34.2	125	280
14760-250P.FR	34.2	250	480







The protector could be broken with any impacts. Please handle with care.

113.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45
14SV	21.3	9	75	45

113.100 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

113.150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80
14SV	21.3	9	150	80

115.75 (mm)	D (mm)	H (mm)	L (mm)	(g) (\alpha\alpha
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54
14SV	21.3	6.4	75	54

115.100 (mm)	D (mm)	H (mm)	L (mm)	(g) (∑
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67
14SV	21.3	6.4	100	67

115.150 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87
14SV	21.3	6.4	150	87

### 113-75SV · -100SV · -150SV

Nut Setters
Vasos para apretar tuercas Hexagonales





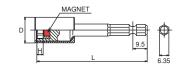
## 115-75SV · -100SV · -150SV

SLIDE MAGNET

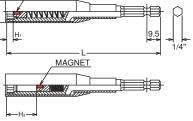
Nut Setters with Magnet Vasos para tuercas con Imán







# MAGNET





115G.100 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

115G.150 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	(g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110
14FR	21.3	7	24	150	110

# 115G-100FR · -150FR · -200FR

Nut Setters with Sliding Magnet Vasos para tuercas con Imán Corredizo





115G.200 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	Ø∑ (g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135
14FR	21.3	7	24	200	135
14FR	21.3	7	24	200	135



The Protectors could be broken with any Impacts. Please handle with care.



Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.



#### **REPLACEMENT**

Remove a damaged Protector and put a new Protector on socket / Extension bar by pressing. For your safety, worn out or cracked Protector must be replaced.

#### **SUSTITUCION**

Retire el protector dañado y coloque un nuevo protector en la llave de vaso / barra de extensión presionando. Por su seguridad, los protectores desgastados o agrietados deben ser sustituidos

# **Automotive Tools**



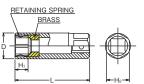


**3300C · 4300C** Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas









3300C (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
13		17.5	11	17	70	66	10
14		19	11	17	70	82	10
16	3/8"	20.5	13	17	70	91	10
18	ш	23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

4300C (mm)		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
16		21	13	21	70	101	10
18	1/2"	23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

Spring clip type spark plug sockets caused deforming the clip if it would be used with Spring one one shallow engagement.

3300CB



Spark Plug Socket (BMW) Llave de Bujía (BMW)





3300CB (mm)		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
16	3/8"	22.8	13	19	65	118	10

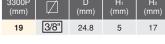


#### SPARK PLUG SOCKETS with SPRING CLIP

An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventig thread damage. The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.



Spring clip type spark plug sockets caused deforming the clip if it would be used with Spring clip type sp... shallow engagement.





 $\Box$ 

19mm spark plug for generators, grass trimmers and chainsaws

65

70

88

78

100

10

10

10

10

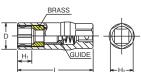


The magnet could be broken with any impacts. Please handle with care.







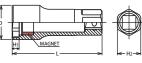


3300P

Spark Plug Socket with Magnet Llaves de bujía con Imán







3305P



Spark Plug Socket with Magnet, 12-point Opening Llaves de bujía con Imán, Boca Bihex

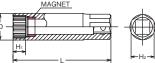






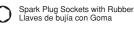
<b>)</b> _		N		4444444444	19nco	
	Spark Plug	Socket wi	th Magnet,	12-pt. op	ening: 3305I	P-14
	16		20.5	8	17	70
	14	[3/8"]	19	8	17	70

16.5

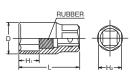


The magnet could be broken with any impacts. Please handle with care.

3300S · 4300S ()



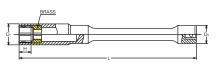




3300S (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
16		20.9	19	17	70	100	10
18	3/8"	23.9	21	21	70	145	10
20.8	ш	26.9	27	22	70	140	10

4300S (mm)		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
16		21	19	21	70	100	10
18	1/2"	23.9	21	21	70	130	10
20.8	ш	26.9	27	22	70	135	10







3300C.180 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
14		19	18	11	180	205	5
16	3/8"	20.5	18	13	180	220	5
20.8	ш	26.9	18	13.5	180	260	5

3300C.250 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
14		19	18	11	250	271	5
16	3/8"	20.5	18	13	250	290	5
20.8	ш	26.9	18	13.5	250	340	5

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



3300C-180 · -250 Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas





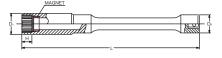


#### 3305P-250

Spark Plug Socket with Magnet, 12-point Opening Llave de bujía con Imán, Boca Bihex











The magnet could be broken with any impacts. Please handle with care



#### 3340C · 4340C

Universal Spark Plug Sockets with Spring Clips Llaves de bujía con Presillas con Articulación Universal



16	3/8"	21	19	13	88	122	10
18	3/6	23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10
4340C (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
	1/2"				(mm)		(pcs.)

88

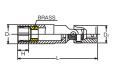
109

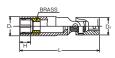
10

19

19







#### 3345P



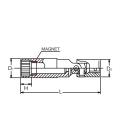
Universal Spark Plug Socket with Magnet, 12-point opening Llave de bujía con Imán con Articulación Universal, Boca Bihex



3345P (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
14	3/8"	19	19	8	88	110	10



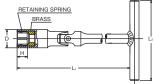
The magnet could be broken with any impacts. Please handle with care.





127C T-type Universal Spark Plug Socket Wrench Llave de Bujías en T con Articulación Universal SPARK PLUG SOCKET 150 520 14 19 11 315 16 21 150 530 13 315 12 315 590 18 23.9 150





20.8

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

315

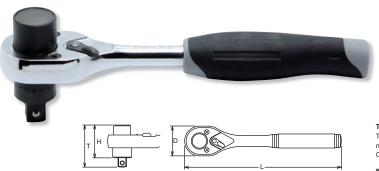
150

590

3751J Torque Ratchet for Spark Plugs Llave de Bujías Dinamométrica

13.5

26.8



#### TORQUE RATCHET

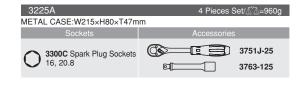
The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted.

Cylinder heads and spark plugs are protected by this mechanism.

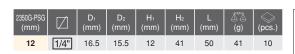
	$\square$	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
3751J-25	3/8"	34	57	43	178	320	1

Set for Torque Controlled Installation of Spark Plugs 3225A Juego de Llaves de Bujías Dinamométricas



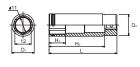










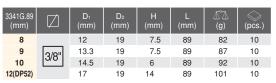




3341G.70 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
10		14.5	19	6	70	76	10
11	3/8"	15.8	19	6	70	80	10
12	ш	17	19	6	70	85	10









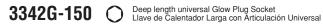
#### GLOW PLUG SOCKETS, NUT GRIP®

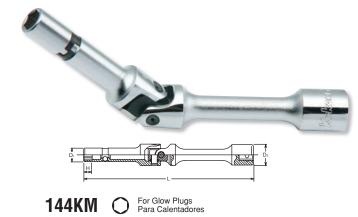
Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

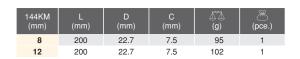
El perno/tuerca se sujeta firmemente por medio de dos bolas

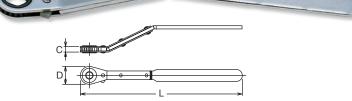
en la boca hexagonal para un trabajo seguro y fiable NUT GRIP® GLOW PLUG

3342G.150 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10









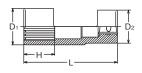




148KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	Д°Д (g)	(pce.)	C
8S×12	245	23.6	24.6	9	187	1	
							152°

Socket for Diesel Engine Injectors Vaso para Inyectores de Motor Diesel SP4305M-77





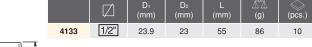
SP4305M.77 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27

For fuel injection pump of BMW diesel cars.

4133	Socket for Diesel Engine Injectors
4100	Vaso para Inyectores de Motor Diesel

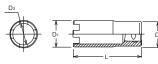




4133

For fuel injection pump of M.B diesel cars.





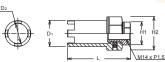
4122.72 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	D₃ (mm)	L (mm)	₫Д (g)	(pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22

For M.B Trucks, Holder nut of injection post.

<b>SP4122-69</b> Diesel Injection Holder Nut Socket Vaso Porta Tuerca de Injectión Diesel
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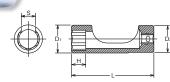


3300FN



Flare Nut Sockets Llaves de vaso para entubar





SP4122.69 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
22	28.4	22	22	32	69	185	5

	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	
	14.5	17.3	6	53	6.4	38	10	
	16	17.3	7	53	6.8	41	10	
	16.8	17.2	7.5	53	7.2	42	10	
	18	17	8.5	53	8.3	42	10	
	20	18	9	53	8.8	50	10	
	21.1	20	9.5	62	9.4	66	10	
2/2"	22	20	10.5	62	10.5	66	10	
3/0	23	22	11	70	11.5	82	10	
	24	23	11.5	70	12	90	10	
	25	24	12.5	80	13	110	10	
	27	25	13	80	13.5	120	10	
	28	26	14	80	14.5	130	10	
	32	29.5	16	80	16	180	10	
	34.5	31.5	17	80	17	200	10	
	3/8"	(mm) 14.5 16 16.8 18 20 21.1 3/8" 22 23 24 25 27 28 32	(mm) (mm)   (mm)   14.5   17.3   16.8   17.2   18   17   20   18   21.1   20   23   22   24   23   25   24   27   25   28   26   32   29.5	(mm) (mm) (mm) (mm)	(mm) (mm) (mm) (mm) (mm)   (mm)   (mm) (mm)	(mm) (mm) (mm) (mm) (mm) (mm)   (mm) (mm)	(mm) (mm) (mm) (mm) (mm) (mm) (g)   (14.5	(mm) (mm) (mm) (mm) (mm) (mm) (g) (pcs.)   14.5

RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta



arth arthr	and the	SIA			
F IF	1-1				
	YEV		100	ALC: U	
2 2					

RS3300FN/6 8, 10, 12, 14, 17, 19

> 29 85

33 30

33

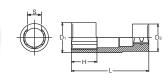
1/2"

SP4300M-85

Special socket for Lambda Probes Vaso Especial para Sensores Lambda

SP4300M-110 ()

1			17.
	-		
V	Section 1	Million I.	



SP4300M.85-22

SP4300M.110-22



8 228 10

FLARE NUT SOCKET Open section allows for use with wire/connector.

4300H (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	H₃ (mm)	L (mm)	₫∄ (g)	(pcs.)
24		32.5	27	17	40	24	57	157	10
26	1/2"	35	27	19	40	24	57	170	10
27	ш	36.1	27	19.5	40	24	57	175	10

#### 4300H series

Removes and installs oil pressure switches

4300H (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
27(8P)	1/2"	34	27	14	37	57	152	10

### 4300H(8P) series

Socket for Switches, Mercedes Benz and MAN

4010M.100 (mm)	Ø	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8(12P)	1/0"	23	63.5	100	132	10
10(12P)	1/2	23	63.5	100	135	10

4010M.120 (mm)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8(12P)	1/2"	23	83.5	120	151	10
10(12P)	1/2	23	83.5	120	155	10





Cylinder head bolt socket for TOYOTA 4010M(12P) is Double Hex bit socket. XZN(Triple Square) bit socket has different shape.

	$\square$	D (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10





Head Bolt Bit Socket for VW/AUDI ST4027-140 can not substitute with 3027, 4027-CV bit series.

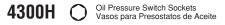


13145M.150 (12P) (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)	
10	2/0"	15.8	19	10	150	120	1	*1	
12	J3/0	18.3	19	12	150	128	1	*1	

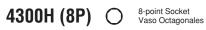
<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

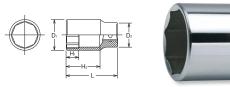
16305M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
14		26.3	44	14	74	100	500	2	*1
17	3/4"	30	44	17	74	100	544	2	*1
19	3/4	32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



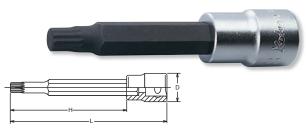


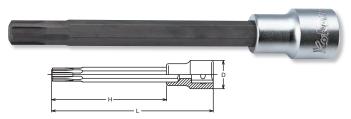




### 4010M-100 · -120 (12P)

Bit Sockets for Double Inhex Screws (12-point)
Vasos con Punta para Tornillos Doble Inhex (Bihex)



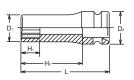




(mm)   '   \	D <sub>2</sub> n) (mm)	H (mm)	L (mm)	(g)	(pce.)	(V)
3/8" 15.	8 19	10	200	151	1	*1
<b>12</b> 3/6 18.	3 19	12	200	159	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

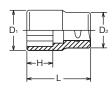






4109M O Double Square Sockets Vasos Octagonales



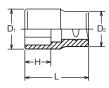


4111M



6-point Socket Vaso Hexagonales



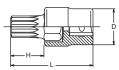


4020-60 (MH)



Bit Socket for Triple Square with hole Vaso con Punta para Tornillos XZN con agujero



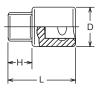


3110M · 3110A



4-point Male Sockets Vasos con Macho Cuadrado



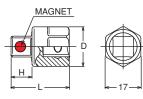




3110MGH 4-point Male Sockets Vasos con Macho Cuadrado



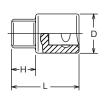




4110M • 4110A • 4-point Male Sockets Vasos Macho Cuadrado







4109M (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
14		26.8	26	11	38	110	10
17	1/2"	30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series For Lubrication service

4111M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M

For Lubrication service

4020.60 (XZN)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
MH16	1/2"	24	20	60	135	10

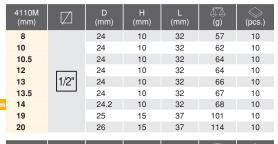


4020-60-MH16 Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M (mm)		D (mm)	H (mm)	L (mm)	₫``` (g)	(pcs.)
6		18	10	28	30	10
8	3/8"	18	10	28	30	10
10	3/6	18	10	28	33	10
12		18	10	28	37	10
						^
3110A	7	D (mm)	H (mm)	(mm)	(a)	(200

3110A (inch)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16		18	10	28	30	10
3/8	3/8"	18	10	28	33	10
1/2		18	10	28	37	10

	3110MGH (mm)	$\square$	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	8	2/0"	19	10	28	31	10
New	10	3/0	19	10	28	33	10



4110A (inch)		D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
3/8	1/0"	24	10	32	62	10
1/2	1/2	24	10	32	64	10



158	L <sub>1</sub>	L <sub>2</sub>	d	₫Д	(pce.)
(mm)	(mm)	(mm)	(mm)	(g)	
8S×10S	63	230	13	319	1

(g)

3/8"

(mm)

8S×10S

8H×3/8H

10H×11H

12H×13H

14H×17H

1/2"

	d	川点
<u>'</u>	I2	
		•

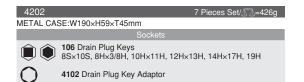
3012M-25

Inhe Vas

Inhex Sockets Vasos con Punta Hexagonal













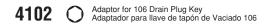


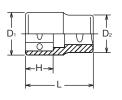
4-point / 6-point Male bits Puntas Macho Cuadrado / Hexagonal



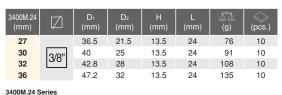














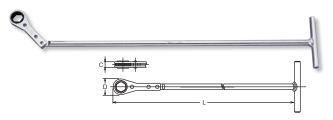
3400M-24





1206 3 Pieces Set/\$\tilde{\bigs\_320g} CARDBOARD BOX 150.14H Sockets 12, 14 154K-14

154K Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción



154K (mm)	L (mm)	D (mm)	C (mm)	Д°Д (g)	(pce.)
14	480	24.6	9	280	1

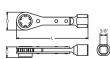
Socket, For 154K Vasos 150-14H (

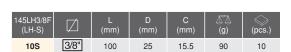




150.14H (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10









**Belt Tension Pulley Wrench** For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt



This item has less strength due to the special design.







Generator Service Set For removing and installing belt pulley at the generator.

1210 • 1210E Door Hinge Wrench Set Juego de Llave de Bisagra de Puerta



1210	8 Pieces Set/🏂 =450g
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12	145KD-12
179B.12H XZN Bits M6, M8, M10, M12	
179B.12H TORX® Bit T45	







For Air Bag

For air-bag unit in hard to reach places in or around the steering wheel.

around the steering wheel.

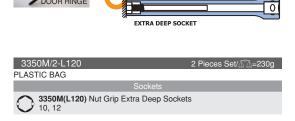
Tamper Resistant TORX® Bit Sockets have less strength.

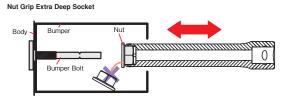
















1212 Screwdriver Set Destornilladores, juego de 4 piezas





169/2 Door Trim Pad Tool, 2 pieces Set Herramienta de Forro de Puerta, juego de 2 piezas
169 Door Trim Pad Tool Herramienta de Forro de Puerta

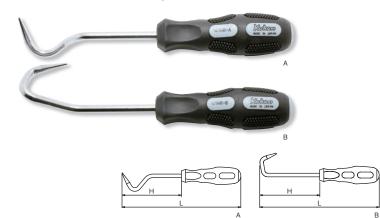


169WM Window Molding Remover Extractor de Burletes de Ventana



169HR/2 Hose Remover, 2 pieces Set Extractor de Mangueras, juego de 2 piezas

Hose Remover Extractor de Mangueras



169BP For Battery Screws

1212 4 Pieces Set/ = 380g

PLASTIC BAG

Screwdrivers

168T(250)
20IPR
168T(250)
T20, T25, T30

Long shank Screw Screwdriver



169/2	2 Pieces Set/\$\tilde{\alpha} = 200g
PLASTIC BAG	
	Clip Handles
	169
	6, 10

360

120

T30

169	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
6	115	215	80	2
10	120	230	110	2
K			Clip Handle	



	H (mm)	L (mm)	Д`Д (g)	(pcs.)
169WM	100	210	90	2
		Window Moldir	ng Remover	

169HR/2		2 Pieces Set/  3=180g
PLASTIC BAG		
	Hose Remover	
	169HR	
	A, B	

169HR	H (mm)	L (mm)	₫Д (g)	(pcs.)
Α	100	200	75	2
В	100	200	90	2



169BP	T×W (mm)	H (mm)	L (mm)	₫`` <u>A</u> (g)	(pcs.)	
1.8×13	1.8×13	50	150	60	2	





TORX\* is a registered trademark of CAMCAR Innovations.
TORX\* suna marca registrada de CAMCAR Innovations.
TORX\*\* is a registered trademark of CAMCAR Innovations,
TORX\*\* is a registered trademark of CAMCAR Innovations,
TORX\*\* is a registered trademark of CAMCAR Innovations.

4425 (E)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10N		13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N	1/2"	16.5	21	10.6	37	50	10
E16N	1/2	19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10

RS4425/6-N	6 Pieces Set/Rail 200mm	₫Д (g)
E10N, E12N, E14	370	



Engine type: QR/MR Flywheel bolt for NISSAN: E20N

13145A.150 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
9/16(D20) 3/8	3" 20	19	13	150	130	5	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

14145A.150 (inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
9/16(D20)	1/2"	20	25	13	150	200	5	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

For Land Rover Prop Shaft

		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	ДĨД (g)	(pcs.)	(D)
13772-B	3/8"	22	19	75	120	5	*1
13772-P	3/0	22	19	75	120	5	*1
14772-B	1/2"	27	25	90	230	1	*2
14772-P	1/2	27	25	90	230	1	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C41, Pin/O-Ring=A41/B41







13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

14305M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)	(pcs.)	(1)
30		42	30	30	63	85	457	10	*2
32	1/2"	44.5	30	32	63	85	542	10	*2
36	$\Box$	49.5	30	36	61	85	635	2	*2

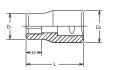
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



	T×W (mm)	D (mm)	L (mm)	⊕`∆ (g)	(pcs.)
_	2.7×18.6	22	40	59	10
1/2"	3.7×24	24	40	79	10
	3.7×30	30	40	128	10
	1/2"	2.7×18.6 3.7×24	2.7×18.6 22 3.7×24 24	2.7×18.6 22 40 1/2" 3.7×24 24 40	2.7×18.6 22 40 59 3.7×24 24 40 79

	$\square$	T×W (mm)	D (mm)	L (mm)	Ø"∆ (g)	(pcs.)	
6101	3/4"	6.4×33.5	35	50	205	5	







RS4425/6-N () IIII



Socket Set on Rail Juego de Vasos en Regleta



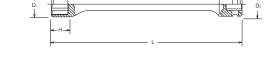
13145A-150 14145A-150



Extra Long Sockets Vasos Extra-Largos

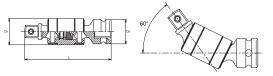






Universal Double Joint Articulación Universal 13772 14772

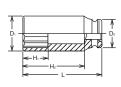




14305M



12-point Deep Sockets Vasos Bihexagonales Largos

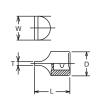




4101 • 6101



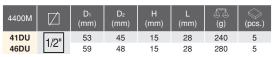
Sockets for Slotted Heads Vasos para Cabeza Ranurada





4400M-DU Rear Wheel Nut Socket







4405M-DU Rear Wheel Nut Socket





4405M	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
36DU	1/0"	47.3	41	15	28	200	5
55DU	1/2	71	52	16	31	410	5

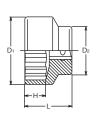




6405A-MV Rear Wheel Nut Socket







2.3/16MV 3/4" 74.6 53



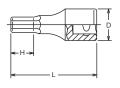


4012M-43



Inhex Sockets Vasos Inhex

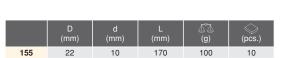




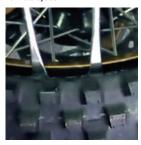
4012M.43 (mm)		D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
20		26	11.5	43	130	10
21		26	11.5	43	140	10
22	1/2"	26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10

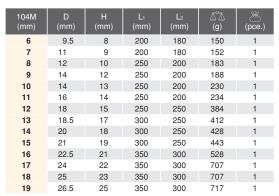


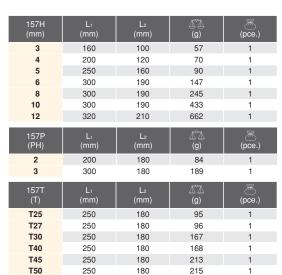




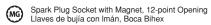
For Motorcycles





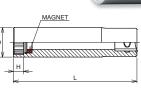


### 3305P-12

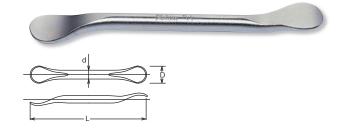








Tyre Lever Llave de Neumáticos







<b>157P ⊕</b>	For PH Screws Para Tornillos PH
---------------	------------------------------------

4577	For TORX® Screws
157T	Para Tornillos TORX®



280PM

298



Wheel Nut Sockets Set Juego de Vasos para Rueda



Wheel Nut Sockets Vasos para Rueda



PLASTIC PROTECTOR

CARDBOARD BOX:W125×H95×T34mm

1/2'

14145PM.110 Impact Wheel Nut Sockets 17, 19, 21

23.8

25.8

27.6

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P268-269

29

 $\Box$ 1/2"

25.8

27.6 29

27.2

13

13

19

21

19

21

25.7

17MB

25.2

27.2

29

30.5

21

23

25

26

where access to nut is very tight.

Please note that thin walled design is only for wheel nut work and Torque rating 198-17 : Spare Plastic Protector for 14145PM.110-17 : 10 pcs. 198-19 : Spare Plastic Protector for 14145PM.110-19 : 10 pcs. 198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs.

198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.

27.2

Mercedes Benz Wheel Bolt

mpact Wheel Nut Sockets-Extra Thin wall Special design for wheel nut work.

-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts

-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.

-Plastic insert helps prevent damaged to wheel nut.

11.5

52

55

14201M

17

19

21

22

PLASTIC 110

3 Pieces Set/ \$\tilde{\bar{a}} = 690g

5

5

5

5

256

150

180

21 Koken

5

5

■ 21 Kokon

\*1

208

219

226

238





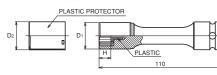
A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.

The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

### **14145M-110MB** • Wheel Bolt Socket















Designed for Low Profile Wheel nut socket. Detachable plastic protector is fitted to the adaptor to prevent damage to painted or surface treatment area on the wheel.

The Plastic insert locate inside of the adaptor helps prevent damage to wheel nut.

Colour coded band make size identification easy

Diseñado para Vasos de Tuercas de Llantas de perfil bajo Protector plástico desmontable es ajustado al adaptador para proteger la superficie pintada o con recubrimiento superficial de la llanta

El inserto plástico localizado dentro del adaptador, protege la tuerca de la llanta

La banda coloreada consigue una fácil identificación de la







Please note that thin walled design is only for wheel nut work and Torque rating

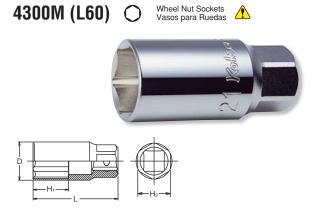


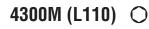
D (mm) 17 19 21 23.8 25.8 27.6 25 25 10 10 98 21 60 1/2" 100 21 60 21 60 102 10 25



Wheel Nut Sockets

Please note that thin walled design is only for wheel nut work and Torque rating is limited.



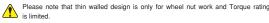




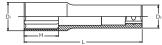
Wheel Nut Sockets (Long) Vasos para Ruedas (Largos)



	4300M(L110) (mm)		(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)				
	17		23.8	22	32	110	155	5				
	19	1/2"	25.8	22	32	110	170	5				
	21		27.6	22	32	110	165	5				
New	22		29.1	22	32	110	165	5				
	A Places note that this walled design is only for wheel but work and Targue rating											











350

1/2"

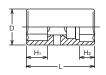
140

280

4711X







14118M 17×19 28 15.5 13 48 150 10 1/2" 19×21 31 17.5 13 57 177 10 19×22 187 31 17.5 15 57 10

14218M

Wheel Nut Sockets, Double Ended with Extension Bar Vasos para Rueda, Dos Bocas con Alargado





14218M CARDBOARD BOX 14118PM 19×21 14760ST-B

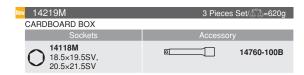
Interchangeable Wheel Nut Socket of 19mm and 21mm.

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

Socket is not completely locked with the Ball-type connection. Please beware of accidental socket release.

Wheel Nut Sockets, Double Ended with Extension Bar Vasos para Rueda, Dos Bocas con Alargado 14219M ()

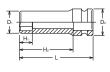




AN14300

Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts Vasos de Impacto, de Aleación de Áluminio, para tuercas de rueda de aluminio



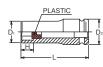


AN14300 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17		25.7	30	17	62	80	85	10	*2
19	1/2"	28.2	30	19	61	80	89	10	*2
21	ш	30.7	30	21	61	80	93	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

Impact Sockets with Plastic Stops for Hub Cap Screws Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos 14113J ()





14113J (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(V)
17		25.7	30	14	80	251	10	*2
19	1/2"	28.2	30	16	80	286	10	*2
21		30.7	30	20	80	309	10	*2

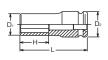
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14113M



For Hub Cap Screws Para Tornillos de Tapacubos



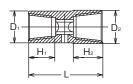


14113M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(V)
17		25.7	30	34	80	230	10	*2
19	1/2"	28.2	30	38	80	262	10	*2
21	لتنا	30.7	30	42	80	285	10	*2

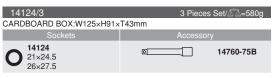
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P268-269

14124 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
21×24.5	1/2"	28	29.5	24	25	65	157	10
26×27.5		31.5	35	24.5	24.5	65	197	10

14124 O Lock Nut Busters (Double Ended) Tronzador de Tuercas (Dos Bocas)







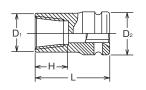


14124/3 O Lock Nut Busters (Double Ended) in set Juego Tronzador de Tuercas (Dos Bocas)



#### ⊕ ∉ (g) 20.5 \*1 \*1 18.5 \*2 20.5 1/2" \*2 20.5 24.5 29.5 \*2 31.5 \*2 27.5

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 →P268-269 14124 O Lock Nut Busters Tronzador de Tuercas





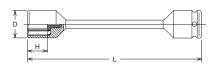
RS14124/7	7 Pieces Set/Rail 250mm	₫∄ (g)
	18, 18.5, 19, 21, 24.5, 26, 27.5	980











As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

14101MP (mm×Nm)	D (mm)	H (mm)	L (mm)	Shaft Color	(pcs.)	W
17× 95Nm	24	16	214		10	*1
17×110Nm	24	16	204		10	*1
17×120Nm	24	16	203		10	*1
19× 90Nm	26	18	259		10	*1
19×100Nm	26	18	233		10	*1
19×120Nm	26	18	204		10	*1
19×140Nm	26	18	199		10	*1
21×100Nm	28	22	216		10	*1
21×120Nm	28	22	205		10	*1
22×150Nm	29	22	220		10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14101MP/8H O Metal-Wall-Hanger for Workshops Colgador de Pared Metálico para Talleres

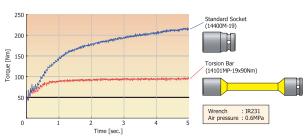






#### **Torsion Bars**

- Designed for tightening wheel nuts with an impact wrench.
   Prevent the excessive torque road.
   Colour coded shafts make size identification easy.



14112

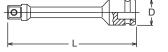


Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete)





14112		D (mm)	L (mm)	₫Д (g)	(pce.)	(D)
90NmP		25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP	1/2"	25	213	220	1	*1
120NmP		25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1



\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14101M ()



Torsion Bars (for tightening only)
Barras de Torsíón (solamente para apriete)



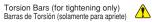


14101M (mm×Nm)		D (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(I)
17× 60Nm		24	16	216	227	1	*1
17× 75Nm		24	16	228	240	1	*1
17× 95Nm		24	16	214	256	1	*1
17×110Nm		24	16	204	285	1	*1
17×120Nm		24	16	203	284	1	*1
19× 60Nm		26	18	219	237	1	*1
19× 90Nm	1/2"	26	18	259	275	1	*1
19×110Nm	1/2	26	18	214	278	1	*1
19×120Nm		26	18	204	297	1	*1
19×135Nm		26	18	204	339	1	*1
19×170Nm		26	18	193	332	1	*1
21×100Nm		28	22	216	288	1	*1
21×120Nm		28	22	205	288	1	*1
22×160Nm		29	22	210	385	1	*1

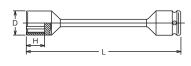
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269











16101M (mm×Nm)	$\square$	D (mm)	H (mm)	L (mm)	ДД (g)	(pce.)	(D)
24×180Nm		38.8	24	235	850	1	*1
27×450Nm	3/4"	42.5	27	280	1236	1	*1
32×600Nm	3/4	48.8	32	280	1370	1	*1
33×600Nm		50	33	280	1370	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

As the torque could vary with the type and the condition of the impact wrench, we As the torque could vary with the type and the control with a torque wrench.

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

18101M (mm×Nm)	$\square$	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	ⅆ
24×350Nm		43.5	24	300	1380	1	*1
27×350Nm		47	27	300	1401	1	*1
27×450Nm		47	27	300	1579	1	*1
30×500Nm		51	30	300	1563	1	*1
32×450Nm		53.5	32	300	1600	1	*1
32×550Nm	1"	53.5	32	300	1602	1	*1
32×600Nm	ш	53.5	32	300	1602	1	*1
32×700Nm		51.5	32	300	1630	1	*1
33×550Nm		55	33	300	1638	1	*1
33×600Nm		55	33	300	1638	1	*1
36×600Nm		58.5	36	300	1718	1	*1
*1 C Bing (	201 Bin/O	Ding A01/E	001 - DG	000			

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

8102M-400

6102M-400 Extra long Sockets for Wheel Nuts Vasos de para Rueda Extra-largos



6102M.400 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	40	14	400	1880	1
32	3/4"	48.5	40	32	400	1480	1
33	ш	49.8	40	32	400	1500	1

8102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	49.9	14	400	2610	1
32	1"	48.5	49.9	32	400	2210	1
33	ш	49.8	49.9	32	400	2220	1

6102M/8102M are for hand use only. Do not use with a poweror impact wrench.





Combination type. 41W×21W

16102M-270 • -400 Extra long Sockets for Wheel Nuts Vasos de Impact para Rueda Extra-largos

18102M-270 · -400 (





16102M.270 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	ⅆ
24		38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32	3/4"	48.8	44	32	270	1157	1	*1
33	3/4	50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

* 1	C Ding CG1	Din/O Ding Act/Dct	- Doco oco
- 1	C-ning=Cor,	Pin/O-Ring=A61/B61	F268-269

			_	, , 200 20	_			
18102M.270 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	W
23		37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30	4"	46	54	30	270	1680	1	*1
32	ш	48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1
41		60	54	32	270	1800	1	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	(1)
24		38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30	3/4"	46.3	44	30	400	1510	1	*1
32	3/4	48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

18102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
23		37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30	1"	46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1
*1 C-Ping-(	001 Din/C	Ding As	1/D01	N Dace as	10			

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

NSTRUCTION RENEWALKIT

PW6P (mm×mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Shaft Color	₫Д (g)	(pcs.)	(1)
32×17	47	44	12	75		621	2	*1
35×17	50	44	12	75		655	2	*1
38×20	55	44	12	75		705	2	*1
41×19	58	44	12.5	80		813	2	*1
41×20	58	44	12.5	80		813	2	*1
41×21	58	44	12.5	80		779	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

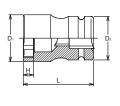
PW8P (mm×mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Shaft Color	₫∄ (g)	(pcs.)	(1)
35×17	50	54	12	83		867	2	*1
38×20	55	54	12	83		941	2	*1
41×19	58	54	12.5	87		1033	2	*1
41×20	58	54	12.5	87		1033	2	*1
41×21	58	54	12.5	87		997	2	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

### PW6P PW8P



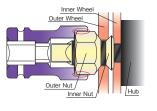
Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna

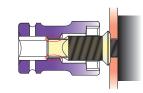




Tightening / Loosening Outer Nut

Tightening / Loosening Inner Nut





**PW8P/4** 



Socket set of Rear Wheel Nut Sockets Juego de Vasos de Tuerca de Rueda Interna



PW8L



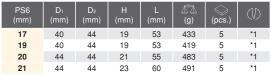
Rear Wheel Nut Socket (long) Vasos de Tuerca de Rueda Interna (largos)



PW8P/4 4 Pieces Set/\$\tilde{\t

PW8L (mm×mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
41×21	1"	58	54	15	105	1263	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

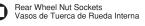


\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

PS8 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1
21	45	54	23	64	696	2	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269









14466A-200B 14488A-B · -200B Adaptors Adaptadores

No Warranty Sin Garantía





	凹 (sq)	凸 (sq)	L (mm)	₫Д (g)	(pce.)	(1)
14466A-200B	1/2"	3/4"	200	560	1	*2
14488A-B	1/2"	1"	58	280	1	*2
14488A-200B	1/2"	1"	200	660	1	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 > P268-269





18316M · 18316A 🔘





16316M (mm×mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
35×17		52	44	10	90	865	1	*1
38×20	3/4"	56	44	13	100	952	1	*1
41×19	3/4	59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P268-269

16316A (inchxinch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¾ (g)	(pce.)	(1)
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16317M • 16317A 

Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna

18317M · 18317A



16317M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	ധ
17		40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20	3/4"	44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

							E-6-3	黑	
	317A inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	(mm)	(g)	(pce.)	W
1	13/16	3/4"	44	44	22.5	67	489	1	*1

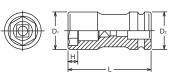
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

#### 14466A-B / 14488A-B

Impact Adaptors (凹1/2" SQ.→凸3/4", 1" SQ.)

For temporary fastening a wheel nut socket for large vehicle with a light duty 1/2" SQ. DR. Impact wrench.

Socket is not completely locked with the Ball-type adaptor connection. Please beware of accidental socket release.

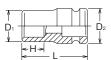


18316M (mm×mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
35×17		52	54	10	108	1153	1	*1
38×20	4"	56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18316A (inch×inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¯Д (g)	(pce.)	Ѿ
1 1/2×13/16	1"	59	54	13	108	1120	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



18317M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∄ (g)	(pce.)	(1)
17		40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20	1"	45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269

							~~	
18317A (inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₽Д (g)	(pce.)	W
13/16	1"	45	54	22.5	72	703	1	*1

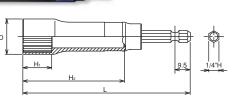
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P268-269

# Construction





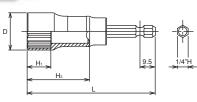




BD014E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

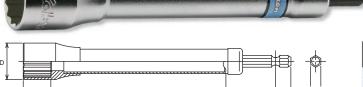
BD014SE 0 12-point Nut Setters Vasos Bihex para Apretar Tuercas





BD014SE (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

## BD008E-165 (12P) 12-point Nut Setters, Extra Long Vasos Bihex para Apretar Tuercas

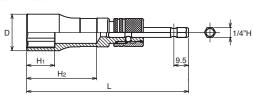


BD008E.165 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
17(12P)	22.8	17	110	165	105	10
19(12P)	24.8	17	110	165	135	10
21(12P)	27.3	17	110	165	142	10

### **BD042E** O

6-point Nut Setters, deep (Exchangeable Drive Shank)





BD042E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	∭ (pcs.)
17	23.5	18	45	111	114	10
19	25.5	18	45	111	119	10
21	28	18	45	111	132	10
24	31.5	18	45	111	147	10

#### **BIT-60E** Bits



	L (mm)	Д¯Д (g)	(pcs.)
BIT-60E	60	10	10

BD014XE (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

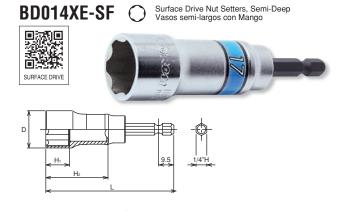
BD014E (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

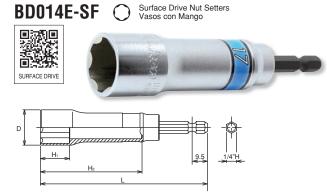
## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

BD011SE (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

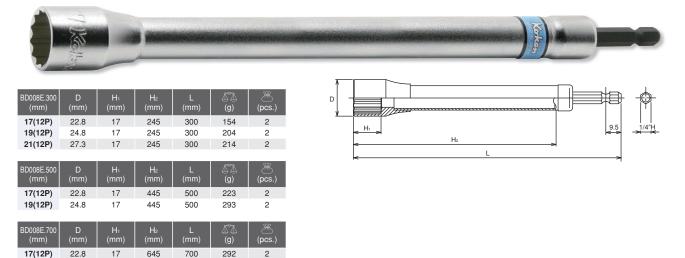




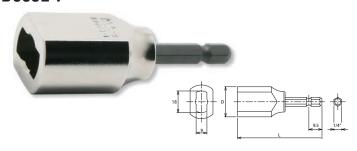
BD011SE 12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal



BD008E-300 · -500 · -700 (12P) 12-point Nut Setters, Extra Long Vasos Bihex para Apretar Tuercas

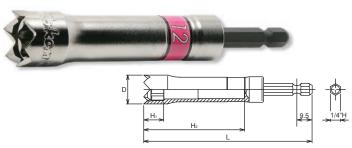


### **BD003E-I**



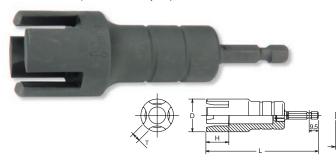
	D (mm)	L (mm)	₫∄ (g)	(pcs.)
BD003E-I	25	70	95	10

### **BD013E**



BD013E (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
12	17.8	12.5	63	105	69	10

### Wing Bolt Socket for Electric Drill Vaso para Tuerca de Orejetas para Taladro eléctrico **BD017E**





	D (mm)	T (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
BD017E	31	7.3	21	104	158	10

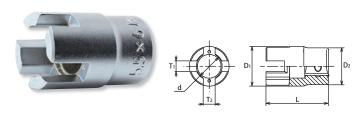
### Wing Bolt Socket Vaso para Tuerca de Orejetas **BD018**



		D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
BD018	3/8"	31	7.3	21	45	113	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

#### Wing Bolt Socket Vaso para Tuerca de Orejetas 3119



3119 (mm)		T <sub>1</sub> ×T <sub>2</sub> (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	d (mm)	L (mm)	₫∄ (g)	(pcs.)
3 ×5	2/0"	3 ×5	17	17.3	11	30	30	10
5.5×6	3/6	5.5×6	21	19.5	14	33	45	10





For Wing Bolt Para Tuercas de Mariposa

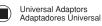
For Drain Plug in Radiator Para conectores de drenaje en Radiadores

BD023E		D (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

BD024E	$\square$	D (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

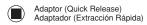


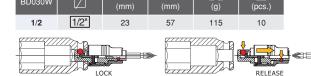
**BD024E** 











LOCK



You may not note reduction by wear. You may not hold the sliding part while moving to avoid heating up by friction and

123PN.65 123PG.65 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	65	13	10
2	6.35	65	13	10
3	6.35	65	14	10

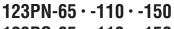
123PN.110 123PG.110 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

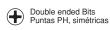
123PN.150 123PG.150 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

Groove position: Japanese model

184E.64	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	G (mm)	L (mm)	₫¼ (g)	(pcs.)
New 3/8×24UNF	12.5	14.5	13	9.5	64	34	10
New 1/2×20UNF	12.5	15.5	13	9.5	64	40	10
	Б	ш.	ш.	C		£ <sup>▽</sup> ¾	冞

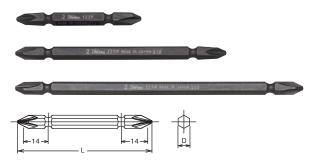
New	1/2×20UNF	12.5	15.5	13	9.5	64	40	10
	184.64	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	G (mm)	L (mm)	₫¼ (g)	(pcs.)
	3/8×24UNF	12.5	14.5	13	14	64	34	10
	1/2×20UNF	12.5	15.5	13	14	64	40	10





123PG-65 · -110 · -150





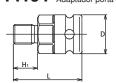
**184E.64** Drill Chuck Adaptor Adaptador porta-brocas para Taladro

184.64 Drill Chuck Adaptor Adaptador porta-brocas para Taladro



H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)		
14.5	22	44	85	10	*1		
15.5	22	44	88	10	*1		
/B41 → P268-269							







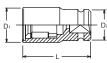
3/8×24UNF

1/2×20UNF

1/2"

BD004 O Impact Screw and Stud Setters Vasos de Impacto para Atornillar Pernos y Espárragos





BD004 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
12.5×10		30	25	70	236	5	*1
12.5×13	1/2"	38	30	75	388	5	*2
12.5×16	ш	38	30	75	369	5	*2
20 ×19		48	44	90	775	2	*3
20 ×22	3/4"	48	44	90	752	2	*3
20 ×25	3/4	62	44	95	1184	2	*3
20 ×29		62	44	95	1148	2	*3

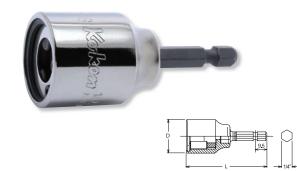
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 \*3 C-Ring=C61, Pin/O-Ring=A61/B61

→P268-269





162E O Stud Setters
Vasos de Atornillar Espárragos



162E (mm)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
10	28	66	107	10

162E (inch)	D (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

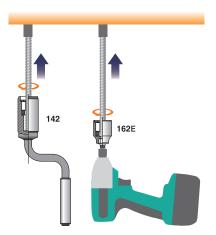
\*Renewal Kits → 162RK → P323



142 O Stud Setters Vasos de Atornillar Espárragos



142 (inch)	L (mm)	( <b>g</b> )	(pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1



141S (mm)	D (mm)	L (mm)	₫Д (g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	ДД (g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

#### 141S O Stud Puller Ratchets Extractores de Espárragos de Carraca



Stud Puller Ratchets Extractores de Espárragos de Carraca

141 (mm)	D (mm)	L (mm)	ДĨД (g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	Д¯Д (g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

### Stud Puller Ratchet (141S/141/141P)

The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de

Stud Puller Ratchets Extractores de Espárragos de Carraca 141P



141P (mm)	D (mm)	L (mm)	Д¯Д (g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1









RENEWAL KITS CONSTRUCTION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

BD14400MJ O 6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje

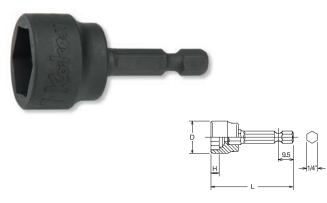




BD14400MJ (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
13		20.7	25	5	38	140	10	*1
15	1/2"	23.2	30	5	38	145	10	*2
17	1/2	25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2

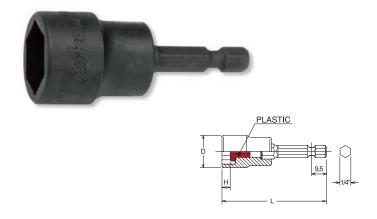
\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42
→ P268-269





BD016E (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

# BD016JE 6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje



BD016JE (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

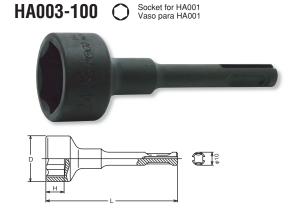
HA001	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.75)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10

HA002.130	D	H	L	₫Д	∭
(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
24	34.5	14	130	246	10
HA002.160	D	H	L	△△	∭
(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
24	34.5	14	160	465	10

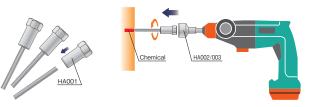
HA003.100 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
24	34.5	14	100	155	10

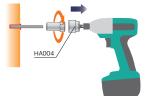


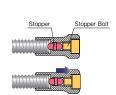






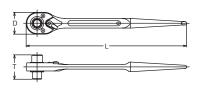






1708 O Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

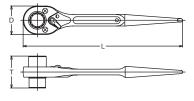




170S (mm)	D (mm)	T (mm)	L (mm)	₫Д (g)	(pce.)
10×12	34	38	250	260	1
10×13	34	38	250	260	1
10×14	34	38	250	260	1
11×13	34	38	250	260	1
12×14	34	38	250	260	1

1718 O Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)

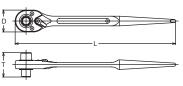




171S (mm)	D (mm)	T (mm)	L (mm)	₫Д (g)	
13×17	44.6	50	250	460	1
14×17	44.6	50	250	460	1
17×19	44.6	50	250	460	1
17×21	44.6	50	250	460	1
17×22	44.6	50	250	460	1
19×21	44.6	50	250	460	1
19×22	44.6	50	250	460	1

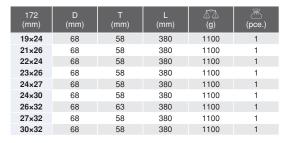
Spud Handle Ratchets(Long) Llaves de Carraca con Mango de Cola(Largas)

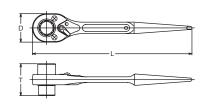




171 (mm)	D (mm)	T (mm)	L (mm)	₫Д (g)	(pce.)
13×17	44.6	50	380	630	1
14×17	44.6	50	380	630	1
17×19	44.6	50	380	630	1
17×21	44.6	50	380	630	1
17×22	44.6	50	380	630	1
19×21	44.6	50	380	630	1
19×22	44.6	50	380	630	1

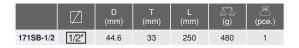


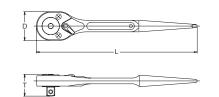




### Spud Handle Ratchet with Push Button(short) Llave de Carraca con Mango de Cola con Botón(corta) 171SB-1/2



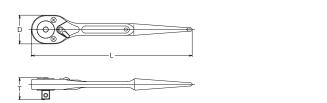




### Spud Handle Ratchet with Push Button(Long) Llave de Carraca con Mango de Cola con Botón(larga) 171B-1/2



		D (mm)	T (mm)	L (mm)	₫₫ (g)	(pce.)
171B-1/2	1/2"	44.6	33	380	650	1





Ko-ken welcomes customer enquiries for special tools. New items can be designed and manufactured according to customers requirements. Please enquire through your distributors.

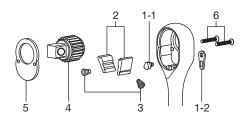
Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes.

Productos nuevos pueden ser diseñados y fabricados de a cuerdo a sus necesidades. Por favor haga su solicitud a través nuestra red de distribuidores.

# **Renewal Kits**



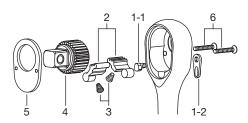




1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover Plate
6	Screw

		Products	₫ <u>¯</u> (g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK	_	3749S, 3749N	70	1
3749BRK	3/8"	3749SB	84	1
3753RK	ш	3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 3774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2		3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK	1/2"	4749N-250, 4749N-380, 4749J-380	130	1
4753RK		4753N/P/J, 4753P-410, 4774N/P/J, 4774P-450	130	1
4753BRK		4753NB/PB/JB, 4774NB/PB/JB	130	1
6749RK	3/4"	6749, 6749-1000	580	1
8749RK	1"	8749, 8749-1000	800	1

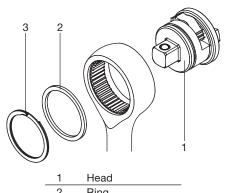




1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover Plate
6	Screw

		Products	₫¼ (g)	(pce.)
4750RK	1/0"	4750N/P/J	130	1
4750BRK	1/2"	4750NB/PB/JB	130	1

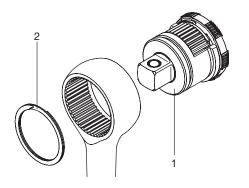




2	Ring
3	Retaining Ring

		Products	₫¼ (g)	(pce.)
2752RK	1/4"	2752N	42	1





1	Head
2	Retaining Ring

		Products	₫∄ (g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1

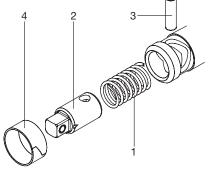


		Products	₫∄ (g)	(pce.)
2755RK	1/4"	2755	40	1
3755RK	3/8"	3755	98	1
4755RK	1/2"	4755	137	1
6755RK	3/4"	6755	550	1



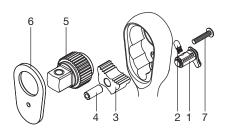
		Products	₫¼ (g)	(pce.)
6752RK	3/4"	6752	600	1





1	Spring		
2	Square Drive		
3	Pin		
4	Retaining Ring		

	Ø	Products	₫¼ (g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1

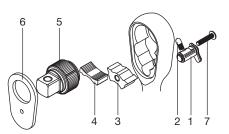


1	Reversion Lever		
2	Pin+Spring		
3	Pawl		
4	Sleeve		
5	Square Drive		
6	Cover Plate		
7	Screw		

### For 36 Tooth

		Products	₫Д (g)	(pce.)
2725RK-1	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-3/8	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
3725RK-1	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK-1	1/2"	4725Z	120	1





1	Reversion Lever			
2	Pin+Spring			
3	3 Pawl (Large)			
4	Pawl (Small)			
5 Square Drive				
6 Cover Plate				
7	Screw			

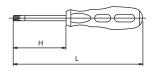
### For 72 Tooth

		$\square$	Products	₫Д (g)	(pce.)
New	2725RK-2	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
New	2725RK-2(3/8)		2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
New	2725BRK-1(3/8)	3/8"	2725ZB-3/8, 2725ZB-3/8(L160), 2726ZB-3/8, 2726ZB-3/8(L160)	45	1
New	3725RK-2		3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
New	3725BRK-1		3725ZB, 3725ZSB, 3725ZB-280, 3726ZB, 3726ZSB, 3726ZB-280	50	1
New	4725RK-2	1/2"	4725Z	120	1
New	4725BRK-1	1/2	4725ZB	120	1



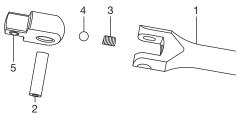


TORXPLUS® 6IP Screwdriver for 2725RK TORXPLUS® 8IP Screwdriver for 3725RK TORXPLUS® 10IP Screwdriver for 4725RK



168T (IP)	H (mm)	L (mm)	₫Д (g)	(pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1

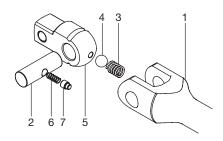




1	Body	
2	Pin	
3	Coil Spring	
4	Ball	
5	Square Drive	

		Products	₫Д (g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1



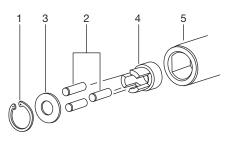


1	Body
2	Pin
3	Coil Spring
4	Ball
5	Square Drive
6	Coil Spring
7	Plunger



		Products	₫Д (g)	(pce.)
3768RK	3/8"	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK	3/0	3768Z-250/400	40	1
4768RK	1/2"	4768N-300/380/450/600, 4768N-380/ 450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK	1/2	4768Z-430	137	1
6768RK	3/4"	6768, 6768-600, 6768-1000	175	1
8768RK	1"	8768, 8768-1000	465	1





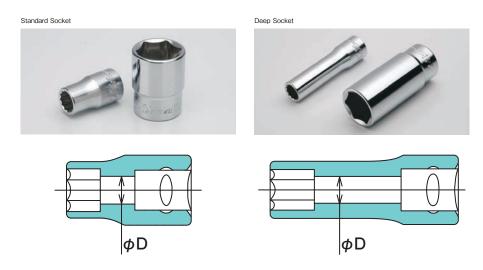
1	Retaining Ring
2	Roller
3	Cover
4	Cage
5	Body

4100MRK (mm)	Ø	Products	(pce.)
6		4100M-6	1
7		4100M-7	1
8		4100M-8	1
9		4100M-9	1
10	1/2"	4100M-10	1
10.5	1/2	4100M-10.5	1
11		4100M-11	1
12		4100M-12	1
14		4100M-14	1
16		4100M-16	1

4100ARK (inch)	Ø	Products	(pce.)
1/4		4100A-1/4	1
5/16		4100A-5/16	1
3/8		4100A-3/8	1
7/16	1/2"	4100A-7/16	1
1/2		4100A-1/2	1
9/16		4100A-9/16	1
5/8		4100A-5/8	1

6100MRK (mm)	Ø	Products	(pce.)
18		6100M-18	1
20		6100M-20	1
22		6100M-22	1
24	3/4"	6100M-24	1
27	3/4	6100M-27	1
28		6100M-28	1
29		6100M-29	1
30		6100M-30	1

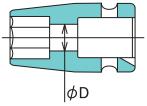
162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

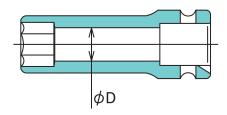


Composition   Composition	1" <b>O</b>	"O	3/4	"O	1/2	"O	3/8	"O	WET	000	
Composition   Composition	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard	KEI	SOC
Composition   Composition	8400M 8400A	6300M 6300A								)	
3	8405M 8405A	6305M 6305A								)	
4         3         3         3           5         3/16         4         4         4           5.5         7/32         4.5         4.5         4.5         4.5           6         1/4         4.5         5         5         5           7         9/32         6.2         6         5.5         6           8         5/16         6.2         7         6         7         6         7           9         11/32         8.3         8.3         7         8         7         8           10         3/8         9.4         9         8         9         8         9           11         7/16         10         10         9         10         9         10           12         10         11         10         11         10         11         10         11           14         9/16         13         13         13.5         13.5         12         13           15         19/32         13         14         13         14         15           16         5/8         14         15         17         15         17					φD					(inch)	(mm)
4.5								2.5	2.5	1/8	
5         3/16         4         4         4.5         4.5         4.5         4.5         4.5         5.5         5         5         6         1/4         4.5         5         5         5         5         5         5         5         5         5         5         6         7         9         9         13/2         8.3         8.3         7         8         7         8         9         11         10         10         9         8         9         8         9         8         9         11         7/16         10         10         9         10         9         10         9         10         9         10         9         10         9         10         11         11         11         11         11         11         11         11         11         11         11         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         13         13         13.5 <t>13.5         12         13         14</t>											
5.5         7/32         4.5         4.5         4.5         5         5         5         5         5         5         5         6         7         9/32         6.2         6         5.5         6         7         6         7         6         7         6         7         9         11/32         8.3         8.3         7         8         7         8         10         3/8         9.4         9         8         9         8         9         11         7/16         10         10         9         10         9         10         11         11         10         11         11         10         11         11         10         11         11         12											
6         1/4         4.5         5         5         5         6         7         9/32         6.2         6         5.5         6         7         6         7         7         8         7         8         7         8         7         8         7         8         7         8         7         8         7         8         7         8         9         11         10         11         10         11         10         11         10         11         10         11         10         11         10         11         10         11         10         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         11         12         11         11						4.5	4.5				
7         9/32         6.2         6         5.5         6         7         6         7         8         7         8         7         8         9         11/32         8.3         8.3         7         8         7         8         9         8         9         8         9         8         9         8         9         8         9         11         7/16         10         10         9         10         9         10         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         13         13         13.5         13.5         12         13         14         15         14         15         14         15         <	_										
8         5/16         6.2         7         6         7         6         7         8         7         8           10         3/8         9.4         9         8         9         8         9           11         7/16         10         10         9         10         9         10           12         10         11         10         11         10         11         10         11           13         1/2         11.5         12         11         12         11         12           14         9/16         13         13         13.5         13.5         12         13           15         19/32         13         14         13         14           16         5/8         14         15         14         15           17         21/32         15         16         15         16         15         17         15         17           19         3/4         16         18         18         18         16         18           20         25/32         17         19         18         19         17         19           21<	_										
9				7	6						
10											-
12											10
13										7/16	
14											
15         19/32         13         14         13         14           16         5/8         14         15         14         15           17         21/32         15         16         15         16         15         16           18         11/16         15         17         15         17         15         17         15         17         15         17         19         11         18         18         18         16         18         18         16         18         18         16         18         18         19         17         19         19         19         19         19         19         21         20         22         20         22         20											
16         5/8         14         15         14         15           17         21/32         15         16         15         16         15         16           18         11/16         15         17         15         17         15         17           19         3/4         16         18         18         18         16         18           20         25/32         17         19         18         19         17         19           21         13/16         18         20         18         20         18         20           22         7/8         19         21         19         21         19         21         19         21         19         21         19         21         19         21         29         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20								13	13		
17         21/32         15         16         15         16         15         16           18         11/16         15         17         15         17         15         17           19         3/4         16         18         18         18         16         18           20         25/52         17         19         18         19         17         19           21         13/16         18         20         18         20         18         20           21         13/16         18         20         18         20         18         20           22         7/8         19         21         19         21         19         21         19         21         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         24         22         24         22         24         22         24											
18         11/16         15         17         15         17         15         17           19         3/4         16         18         18         18         18         16         18           20         25/32         17         19         18         19         17         19           21         13/16         18         20         18         20         18         20           22         7/8         19         21		16	15								-
19   3/4   16   18   18   18   16   18   18   20   25/32   17   19   18   19   17   19   18   20   18   20   18   20   18   20   22   7/8   19   21   19   21   19   21   19   21   19   21   19   21   23   20   22   20   22   20   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   22   24   27   24   27   28   28   28   24   28   25   29   25											
21         13/16         18         20         18         20         18         20           22         7/8         19         21         19         21         19         21         19         21         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         22         24         27         24         27         24         27         24         27         24         27         24         27         24         28         28         28         29         25         29         25         29         25         29         31         31         26         30         26											
22         7/8         19         21         19         21         19         21         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         20         22         22         24		19	17	19	18	19	17			25/32	20
23         20         22         20         22         20         22           24         15/16         21         23         21         23         21         23           25         2         22         24         22         24         22         24           26         1         23         25         23         25         23         25           27         1 · 1/16         26         23         26         23         26           28         2         24         27         24         27           29         1 · 1/8         24         28         24         28           30         1 · 3/16         25         29         25         29           31         26         30         26         30         26         30           32         1 · 1/4         27         31         27         31         27         31           33         1 · 5/16         28         32         28         32         28         32           34         29         33         29         33           35         1 · 3/8         30         34         30		20	18	20	18	20	18			13/16	21
24         15/16         21         23         21         23         21         23           25         22         24         22         24         22         24         22         24           26         1         23         25         23         25         23         26           27         1- 1/16         26         23         26         23         26           28         24         27         24         27           29         1- 1/8         24         28         24         28           30         1- 3/16         25         29         25         29           31         26         30         26         30           32         1- 1/4         27         31         27         31           33         1- 5/16         28         32         28         32           34         29         33         29         33         35           35         1- 3/8         30         34         30         34           36         31         35         31         36           37         1- 7/16         31         36         31										7/8	
25         22         24         22         24         22         24           26         1         23         25         23         25         23         25           27         1- 1/16         26         23         26         23         26           28         24         27         24         27         24         27           29         1- 1/8         24         28         24         28           30         1- 3/16         25         29         25         29           31         26         30         26         30         26         30           32         1- 1/4         27         31         27         31         31         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         33         35         31         36         31         36         31         36         31         36         31         36         31         36         31         36											
26         1         23         25         23         25         23         25           27         1- 1/16         26         23         26         23         26           28         24         27         24         27         24         27           29         1- 1/8         24         28         24         28         24         28           30         1- 3/16         25         29         25         29           31         26         30         26         30         26         30           32         1- 1/4         27         31         27         31         27         31         27         31         27         31         27         31         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         28         32         33         35         1- 3/8         30         34         30         34         36         31         36         31         36         31         36         31         36         31         36         31         36										15/16	
27         1- 1/16         26         23         26         23         26           28         24         27         24         27         24         27         24         28         24         28         24         28         24         28         24         28         24         28         24         28         24         28         25         29         25         29         25         29         30         26         30         26         30         26         30         26         30         30         36         30         32         30         28         32         28         32         28         32         38         32         38         32         38         32         38         32         38         32         38         30         34         30         34         30         34         30         34         36         31         36         31         36         31         36         31         36         31         36         31         36         31         36         31         36         38         1- 1/2         32         37         32         37         32         37										1	
28         24         27         24         27           29         1- 1/8         24         28         24         28           30         1- 3/16         25         29         25         29           31         26         30         26         30           32         1- 1/4         27         31         27         31           33         1- 5/16         28         32         28         32           34         29         33         29         33           35         1- 3/8         30         34         30         34           36         31         35         31         35           37         1- 7/16         31         36         31         36           38         1- 1/2         32         37         32         37         32         37	23						23				
29     1- 1/8     24     28     24     28       30     1- 3/16     25     29     25     29       31     26     30     26     30       32     1- 1/4     27     31     27     31       33     1- 5/16     28     32     28     32       34     29     33     29     33       35     1- 3/8     30     34     30     34       36     31     35     31     35     31     36       37     1- 7/16     31     36     31     36     31     36       38     1- 1/2     32     37     32     37     32	24					20				1- 1/10	
30     1- 3/16     25     29     25     29       31     26     30     26     30       32     1- 1/4     27     31     27     31       33     1- 5/16     28     32     28     32       34     29     33     29     33       35     1- 3/8     30     34     30     34       36     31     35     31     35     31     36       37     1- 7/16     31     36     31     36       38     1- 1/2     32     37     32     37	24									1- 1/8	
32     1- 1/4     27     31     27     31       33     1- 5/16     28     32     28     32       34     29     33     29     33       35     1- 3/8     30     34     30     34       36     31     35     31     35       37     1- 7/16     31     36     31     36       38     1- 1/2     32     37     32     37	25										
33     1-5/16     28     32     28     32       34     29     33     29     33       35     1-3/8     30     34     30     34       36     31     35     31     35       37     1-7/16     31     36     31     36       38     1-1/2     32     37     32     37	26	30	26	30	26						31
34     29     33     29     33       35     1- 3/8     30     34     30     34       36     31     35     31     35       37     1- 7/16     31     36     31     36       38     1- 1/2     32     37     32     37	27										
35     1-3/8     30     34     30     34       36     31     35     31     35       37     1-7/16     31     36     31     36       38     1-1/2     32     37     32     37	28									1- 5/16	
36     31     35     31     35       37     1-7/16     31     36     31     36       38     1-1/2     32     37     32     37	29									4 0/0	_
37         1-7/16         31         36         31         36           38         1-1/2         32         37         32         37	30 31									1- 3/8	
<b>38 1- 1/2</b> 32 37 32 37	31									1- 7/16	
	32										
39                 32   38	32	38	32		- J-					,-	39
40 1- 9/16 33 39	33									1- 9/16	
41 1- 5/8 34 40	34									1- 5/8	
42 34 41	34										
43 1-11/16 35 42	35										
44 1- 3/4 36 43	36									1- 3/4	
45 36 44	36									1.19/46	_
46   1-13/16   37   45 47   38   46	37									1-13/16	
48 1- 7/8 38 47	38									1- 7/8	
1-15/16 39 48	39										40
50 2 40 49	40										50
2- 1/16 40											









000	WET	1/4"〇	3/8	"O	1/2	'O	3/4	"O	1" <b>O</b>			
SOC	KET	Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep		
(	)	12400M 12400A	13400M 13400A	13300M 13300A	14400M 14400A	14300M 14300A	16400M 16400A	16300M 16300A	18400M 18400A	18300M 18300A		
(mm)	(inch)					φD						
4		3										
4.5	3/16	3										
5		4										
5.5		4										
6	1/4	5	5	5								
7	9/32	5	5	6								
8	5/16	6	6	7	6	7						
9	11/32	7	7	8	7	8						
10	3/8	8	8	9	8	9						
11	7/16	9	9	10	9	10						
12		10	10	11	10	11						
13	1/2	11	11	12	11	12						
14	9/16	12	12	13	12	13						
15			13	14	13	14						
16	5/8		14	15	14	15	14	15				
17	11/16		14	16	14	16	14	16				
18	0/4		15	17	15	17	15	17	10	- 10		
19	3/4		16	18	16	18	16	18	16	18		
20	40/40		17	19	17	19 20	17	19	17	19 20		
21	13/16		18 19	20 21	18 19	21	18 19	20 21	18 19	21		
22	7/8		20	21	20	22	20	22	20	22		
24	15/16		20		21	23	21	23	21	23		
25	1 1 1 1 1 1		20		22	24	22	24	22	24		
26					23	25	23	25	23	25		
27	1- 1/16				23	26	23	26	23	26		
28	1- 1/10				23	27	24	27	24	27		
29	1- 1/8				23	28	25	28	25	28		
30	1- 3/16				23	29	26	29	26	29		
31	5,.0				23	30	27	30	27	30		
32	1- 1/4				23	31	28	31	28	31		
33					25	32	29	32	29	32		
34	1- 5/16				25	33	30	33	30	33		
35	1- 3/8				25	34	31	34	31	34		
36					28	35	32	35	32	35		
37	1- 7/16						32	36	32	36		
38	1- 1/2						34	37	34	37		
40	1- 9/16						34	39	34	39		
41	1- 5/8						35	40	35	40		
42	1-11/16						35	41	35	41		
45	1- 3/4						35	44	35	44		
46	1-13/16						40	45	40	45		
47							40	46				
	1- 7/8						40	47				

# **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



		, .			,						,		, -		wealsh																$\succeq$	_
Soc Oper		SW	_						ric sizes diamet														rica d di		zes eters					_	lish si: d Diam	
- Cpoi	9		IS R2 19	0	Germar	n St			French	Swed	lish S	tanda	ırds		IS	0						oa	u ul	arric	01010					W	BS	
	5)	h mm	19	68			ariac		Standard	Owoc	T		1	당	R272-	1962		Nor	nal	Hos	21/1/				_						50	_
on 1	ion	renc	_		me	tric		17	23					Vren					ies			1	Nuts		Во	olts	and Screw	S	Nuts		965	inch
minimum dimension 1)	maximum dimension	nominal size of wrench	standard hexagon	Ľ			15	Danish Stand DS 17	NFE 27-111-19303			ge	nall	Nominal Size of Wrench														,,	. Machine Screw Nuts	arge	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
n din	n dir	size	i hex	xagc	2)	F564	1+69	Stano	111-	irge 12	nall 14	th lar	th sn 15	Size			ΑF					_	o)		_		ne s	rews	ne S	th La	195,	cross
imur	i mi	ninal	ndard	small hexagon	DIN2)	DIN561+564	DIN6914+6915	sh:	= 27.	Metric large SMS 1412	ric sı S 14	twor S 14	Whitworth small SMS 1415	ninal	Bolts	Nuts	Actual	Bolts	Nuts	Bolts	Nuts	Normal	Square	Heavy	a Normal	Heavy	Machine Screws	Set Screws Square	lachi uts	Whitworth Large	916, 1083	th ac
E E	ma	non	star	Sms				Dar	J-N	Met	Met	Wh	Wh	Nor	ı a	Z	Ā	B	Z	m	Z	z a	b S	T C	Z d	E e	≥ ഗ f	g g	≥z h	N N	BS BS	Wid
2.52 3.02	2.58	2.5			1 1.2+1.4																											
3.22	3.28		1.6		1.6									1/8	No2												None					
3.23 3.52	3.35	3.5			1.7										INUZ												No2+3					
4.01	4.14	4	2	_	2				2.5		2.3			5/32		No0+1													No0+1			
4.52 4.83	4.62 4.95	4.5			2.3						2.6			3/16	No3.4+5	No2+3	19										No4+5	No10	No2+3			
5.02	5.12	5	2.5		2.5+2.6				3		3				1400.410	140210	10										140410	14010	140210			
5.21 5.52	5.33 5.62	5.5	3		3									13/64																		
5.59 6.00	5.72 6.13			_										7/32 15/64														No12				
6.03 6.40	6.15 6.53	6			3.5				3.5	3	3.5			1/4	No6+8	No4	25										No6+8	1/4	No4			
6.60	6.70														1100+0	1104	23										NOOTO	1/4	1104	1/16		.256
6.82 7.03	6.97 7.15	7	4		4				4+4.5	3.5	4			17/64																		
7.19 7.60	7.32 7.70		H											9/32			H			-	_	-		-	No10					3/32		.297
7.62 8.03	7.77													19/64 5/16	No10+12	No5±6	31										No10+12	5/16	No5+6			
8.03	8.15	8	5		5	6			5	4	5				14010112	140010	01										14010112	0/10	110010			
8.41 8.70	8.56 8.80													21/64																1/8	3/16	.340
8.81 9.03	8.97 9.15	9			6				5.5	5				11/32		No8	34												No8			
9.60 10.04	9.75 10.19		6		6	8			6		6			3/8		No10	38								×1/4		1/4	3/8	No10			
10.39	10.55					0								13/32																		
11.04 11.18		11	7		7			1/4		6	7		1/4	7/16	1/4	No12.1/4	44	1/4	1/4			1/4	1/4		1/4			7/16	No12.1/4			
11.38 11.99	11.45 12.14													15/32																3/16	1/4	.445
12.04 12.80	12.24 12.95	12		8					7		8			1/2	E/16	5/16	EO	E/1 C	E/1C		1/4	E/1 C		1/4	5/16		E/4.6	1/0				
13.04	13.24	13	8		8	10						1/4	5/16	1/2	5/16	5/10	30	3/10	3/10		1/4	5/16		1/4	3/10		5/16	1/2				
13.44 13.60	13.54 13.77													17/32																1/4	5/16	.525
14.05 14.38	14.27 14.55	14		10	8°)			5/16	8	8				9/16	3/8	3/8	56	3/8	3/8		5/16	3/8	5/16	5/16	3/8		3/8	9/16	5/16			
15.05	15.27	15			10⁵)						10	5/16	3/8		0,0	0/0	-	0,0	0/0		0,10	010	0/10	0/10	0/0		0/0	0/10	0/10			
	15.44													19/32																5/16	3/8	.600
15.98 16.05	16.15 16.27	16	Spa	ark ı	l plug M10	) 0x1.	0		9					5/8	7/16		62	7/16					3/8		7/16			5/8	3/8			
16.77 17.05	16.95				10	12		3/8	10	10				21/32																		
17.58	17.75						05	0,0	10	10	10	0./0	740	11/16		7/16	69		7/16		3/8	7/16		3/8								
18.16	18.29				plug M1						12	3/8	7/16																	3/8	7/16	.710
19.06 19.18		19	12	14	12	16		7/16	11					3/4	1/2	1/2	75	1/2	1/2		7/16	1/2	7/16	7/16	1/2			3/4				
19.97 20.06	20.17	20												25/32																		
20.78	20.98		C	o ul r	mlum M44	4114	05							13/16	9/16		81	9/16					1/2		9/16							
20.95	21.08		Sp	ark	plug M1	4X I .	.25																							7/16	1/2	.820
21.06 22.06	22.36		14	16	14		12	1/2	12	12+14	14	7/16	1/2																			
22.35 23.06		23							14			1/2		7/8		9/16	88		9/16	1/2	1/2	9/16	9/16	1/2				7/8				$\vdash$
23.52 23.98	23.67													15/16	5/8	5/8	04	5/8	5/0			5/8		0/16	5/8					1/2	9/16	.920
24.06	24.36	24	16	18	16	20					16		5/8		3/6	3/0	34	3/0	3/0			3/0		9/10	3/0							
24.76 25.06	25.36	25												31/32																		
25.55 25.81	25.78													1			100			-		-	5/8	-				1		9/16	5/8	1.010
	26.48				plug M1	8x1.		5/8		16	18																					
27.13	27.36	21	10	۷۷	10		10	3/8		10	10			1 1/16			106			5/8	5/8			5/8								
28.12 28.08	28.48	28				L		L				5/8	3/4																	5/8	11/16	1.100
28.75 29.08		29							18					1 1/8	3/4	3/4	112	3/4	3/4	-		3/4	3/4	-	3/4			1 1/8				$\vdash$
30.08 30.34	30.48		20	22	20	24					20			1 3/16			П															
30.66	30.84																10-			0/:	0/1			0/-						11/16	3/4	1.200
31.93 32.08	32.48		22	24	22		20	3/4	20	18+20	22			1 1/4			125			3/4	3/4			3/4				1 1/4				
33.08 33.22		33										3/4	7/8				H		-	$\dashv$		$\dashv$		-						3/4	7/8	1.300
33.53 34.08	33.81	3/									24			1 5/16	7/8	7/8	131	7/8	7/8			7/8	7/8		7/8							
35.10	35.60								22		-4			4 0 '-														4.0"				
35.13 35.51	35.71													1 3/8														1 3/8		13/16	15/16	1.390
36.10	36.60	36	24	27	24	30	22	7/8		22+24																					$\Box$	

## **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



Soc	ket							Met	ric size	es												Ameri	can si	zes						Eng	lish siz	zes
Ope		SW						Threac															diame							Thread		
		E	IS R2 19	72- 68	Ger	mar	Sta	ndard	French Standard	Sw	edish	Stand	lards	_		O -1962														W	BS	
Ē	ار2 ر	n dor	13		r	netri	ic							ench					mal ries	He			Nuts		Bolt	s and	Screv	ws	Nuts		Ŋ	lch
minimum dimension 1)	maximum dimension	nominal size of wrench	lgon	_			2	DS 17	NFE 27-111-19303)			<u>o</u>		Nominal Size of Wrench				36	162	361	165								Screw	ge	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
dime	dim	size o	standard hexagon	small hexagon	2)	564	DIN6914+6915	Danish Stand DS	11-1	ge 2	lall 4	large ا ع	Whitworth small SMS 1415	Size			AVF										Φ	Set Screws Square	e Sci	Whitworth Large	1968	oss f
mnm	mum	inals	dard	ll hex	2)	DIN561+564	3914	sh S	27-1	Metric large SMS 1412	Metric small SMS 1414	Whitworth I SMS 1413	wort 141	ninal	Bolts	Nuts	Actual,	Bolts	Nuts	Bolts	Nuts	® Normal	Square	Heavy	o Normal	Heavy	Machine Screws	t Scr luare	Machine Nuts	wort	116, - 083,	h acı
m ini	max	nom	stan	sma	DIN.	DIN	DIN	Dani	NFE	Metr	Metr	Whit	Whit	Nor	B	ž	Ac	B	ž	8	ž	a a	b S b	분 c	Ž d	₽ e	l≌̃⊗ f	တီတိ g	ĭĭz⊓h	Whit	BS 9 BS 1	Widt
36.73 37.10	37.01 37.60	37										7/8	1	1 7/16			144			7/8	7/8			7/8		7/8						
37.82	38.05											110																		7/8	1	1.480
38.10 38.30	38.60 38.61	38							24					1 1/2	1	1	150	1	1			1	1		1			1 1/2				
39.89 40.36	40.20 40.59													1 9/16																15/16	1 1/16	1.580
41.10 41.50	41.60 41.81	41	27	30	27		24	1		27				1 5/8			162			1	1			1		1						
42.10	42.60	42							27			1	1 1/8	1 0/0			102				Ė					'					4.4/0	4.070
42.67 43.08	42.93 43.38													1 11/16	1 1/8	1 1/8	169	1 1/8	1 1/8			1 1/8	1 1/8		1 1/8					1	1 1/8	1.6/0
44.70 46.10	45.03 46.60	46	30	33	30	36	27	1 1/8	30	30				1 3/4																		
46.28 47.10	46.61 47.60	47										1 1/8	1 1/4	1 13/16			181			1 1/8	1 1/8			1 1/8		1 1/8						
47.52 47.88	47.80 48.21													1 7/9	1 1/4	1 1//	188	1 1/4	1 1//			1 1//	1 1/4		1 1/4					1 1/8	1 1/4	1.860
50.10	50.60	50	33	36	33			1 1/4	33	33					1 1/4	1 1/4		1 1/4	1 1/4				1 1/4		1 1/4							
51.08 52.10	51.44 52.60	52										1 1/4	1 3/8	2			200			1 1/4	1 1/4			1 1/4		1 1/4						
52.37 52.68	52.68 53.04													2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8				H	1 1/4	1 3/8	2.050
54.12 54.25	54.72 54.61	54							36					2 1/8																		
55.12 55.88	55.72	55	36	39	36	42		1 3/8		36				2 3/16			219			1 2/0	1 3/8			1 3/8		1 3/8						
56.12	56.26 56.72	56										1 3/8	1 1/2	2 3/10			219			1 3/0	1 3/6			1 3/0		1 3/0						
56.72 57.45	57.05 57.84													2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2					1 3/8	1 1/2	2.220
58.12 60.12	58.72 60.72		39		39			1 1/2	39	39		1 1/2	1 5/8																			
60.66 61.57														2 3/8			238			1 1/2	1 1/2			1 1/2		1 1/2				1 1/2	1 5/8	2 /110
62.23	62.64	00							40					2 7/16												1 5/8				1 1/2	1 0/0	2.410
63.12 63.83	63.72 64.24								42					2 1/2																		
65.12 65.43	65.72 65.86	65	42		42	48		1 3/8		42		1 5/8	1 3/4	2 9/16			256							1 5/8		1 5/8						
65.91 67.03	66.29 67.46													2 5/8	1 3/4	1 3/4	262	1 3/4	1 3/4						1 3/4				H	1 5/8	1 3/4	2.580
67.12 70.12	67.72 70.72		15		45			1 3/4	45	45		1 3/4	1 7/8																			
70.26	70.69	70	70		10			1 0/4		10		1 0/4	1 110	2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4				1 3/4		0.700
70.51 71.12	70.92 71.72	71							48																					1 3/4	2	2.760
71.81 75.03	72.26 75.51													2 13/16 2 15/16			294							1 7/8	1 7/8	1 7/8						
75.15 76.61	75.85 77.09		48		48	56		1 7/8		48		1 7/8	2	3	2	2	300	2	2						2							
	77.85	77							52					3 1/8			312			2	2			2		2						
	80.85		52		52			2	52		2			00			0.2			_	_					_				2	2 1/4	0.150
82.15	82.85								56																						2 1/4	3.130
86.18			56		56			2 1/4						3 3/8											2 1/4							
88.15 89.36	88.85 89.92								60					3 1/2										2 1/4		2 1/4						
90.15	90.85 91.00		60		60																										2 1/2	3.550
94.15	94.85		64		64			0.4/0	64																						- 1/2	5.550
95.76	95.85 96.34	95	64		64			2 1/2						3 3/4											2 1/2							
	99.52 99.60			H									L	3 7/8	L									2 1/2		2 1/2			$\vdash$		2 3/4	3.890
100.15	100.85 106.00	100			68 72			2 3/4	68 72																				H			
105.33	105.67							2 0/-7						4 1/8										2 3/4							3	4.180
108.51	107.00				7.0			_						4 1/4										2 3/4							J	+.100
114.91	111.00 115.57				76			3	76					4 1/2											3							
	116.00 117.00			H	80		H		80								_				_								$\vdash$		$\Box$	
118.08	118.77 121.00				85			3 1/4						4 5/8										3		3						
	ax-min,					netri	c siz		ordina	to DIN	V 475/	2. seri	es 1		1	1	a) He	x Flat	and I	lex F	lat Ja	ım Nut	s		d)	Squar	e Bol	ts	لــــــــــــــــــــــــــــــــــــــ			

1) max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963

a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
b) Square Nuts
c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts

ANSI B 18.2.2-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

f) ANSI B 18.6.3-1962 g) ANSI B 18.6.2-1956 h) ANSI B 18.6.3-1962 \* Square Bolt and Lag Screw only ANSI B 18.2.1-1972



on	Hexa	gon Head	d Bolt	Hexago C	on Socke ap Screw	et Head vs	ТО	RX	TORX	PLUS	Triple Square	LHSTIX	Ref.)	Standard	Tightnin	g Torque	(Nm)
Screw dimension	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Serews	т	E	ΙP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	Т8		8IP		М3		0.25	0.49	0.65	0.92	1.1
М3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	М3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
М6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
М33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

\*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

TORX\* is a registered trademark of CAMCAR Innovations.
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<sup>\*</sup> Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2 Axial Force (Ff) : 60% of Proof Strength( $\sigma$ )



#### TORXº/IORX

	S1 S1	S1 (mm)	S2 (mm)
Т6	6IP	1.7	1.2
T7	7IP	2.0	1.4
Т8	8IP	2.3	1.7
Т9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

### TOR Yellow Tamper-Resistant BITS

S1 S2	S1 (mm)	S2 (mm)
8IPR	2.2	2.0
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7

#### **XZN BITS**

S <sub>1</sub>	S1 (mm)	S2 (mm)
M4	3.6	3.1
M5	4.8	4.1
М6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2

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#### TORXº/ TORXplase SOCKETS

S <sub>2</sub>	1	S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

#### பார் (LH-S) SOCKETS

` ,		
S <sub>1</sub>	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

#### **Ribe CV BITS**

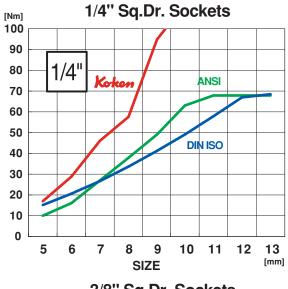
S <sub>2</sub> W	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

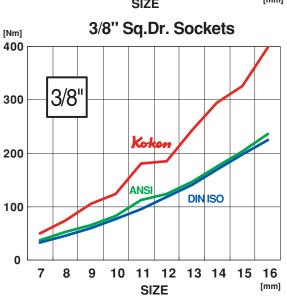
Kon	kon	0"	Conver	sion Ta	ble: Am	nerican 4"	Inches-	Decima 6"	I Inches	s-Millim 8"	eter 9"	10"	11"
in	dec.in.	0	25.4000	50.8000	76.2000	101.6000	Millimeter(m	m) 152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969 229.3938	254.3969	279.7969
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.7906	254.7938	280.1938
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906		255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64 3/8	0.35938	9.1281 9.5250	34.5281 34.9250	59.9281 60.3250	85.3281 85.7250	110.7281 111.1250	136.1281 136.5250	161.5281 161.9250	186.9281 187.3250	212.3281	237.7281 238.1250	263.1281 263.5250	288.5281 288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281 22.2250	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500		47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031
in.	dec.in.	12"	13"	14"	15"	16"	17" Millimeter(m	18" m)	19"	20"	21"	22"	23"
	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/32 1/16	0.03125 0.06250	305.5938 306.3875	330.9938 331.7875	356.3938 357.1875	381.7938 382.5875	407.1938 407.9875	432.5938 433.3875	457.9938 458.7875	483.3938 484.1875	508.7938 509.5875	534.1938 534.9875	559.5938 560.3875 561.1813	584.9938 585.7875
3/32	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.9750	586.5813
1/8	0.12500	307.9750	333.3750	358.7750	384.1750	409.5750	434.9750	460.3750	485.7750	511.1750	536.5750		587.3750
5/32	0.15625	308.7688	334.1688	359.5688	384.9688	410.3688	435.7688	461.1688	486.5688	511.9688	537.3688	562.7688	588.1688
3/16	0.18750	309.5625	334.9625	360.3625	385.7625	411.1625	436.5625	461.9625	487.3625	512.7625	538.1625	563.5625	588.9625
7/32	0.21875	310.3563	335.7563	361.1563	386.5563	411.9563	437.3563	462.7563	488.1563	513.5563	538.9563	564.3563	589.7563
1/4	0.25000	311.1500	336.5500	361.9500	387.3500	412.7500	438.1500	463.5500	488.9500	514.3500	539.7500	565.1500	590.5500
9/32 5/16	0.28125 0.31250	311.9438 312.7375	337.3438 338.1375	362.7438 363.5375	388.1438 388.9375	413.5438 414.3375	438.9438 439.7375	464.3438 465.1375	489.7438 490.5375	515.1438 515.9375	540.5438 541.3375	565.9438 566.7375	590.3300 591.3438 592.1375
11/32	0.34375	313.5313	338.9313	364.3313	389.7313	415.1313	440.5313	465.9313	491.3313	516.7313	542.1313	567.5313	592.9313
3/8	0.37500	314.3250	339.7250	365.1250	390.5250	415.9250	441.3250	466.7250	492.1250	517.5250	542.9250	568.3250	593.7250
13/32	0.40625	315.1188	340.5188	365.9188	391.3188	416.7188	442.1188	467.5188	492.9188	518.3188	543.7188	569.1188	594.5188
7/16	0.43750	315.9125	341.3125	366.7125	392.1125	417.5125	442.9125	468.3125	493.7125	519.1125	544.5125	569.9125	595.3125
15/32	0.46875	316.7063	342.1063	367.5063	392.9063	418.3063	443.7063	469.1063	494.5063	519.9063	545.3063	570.7063	596.1063
1/2	0.50000	317.5000	342.9000	368.3000	393.7000	419.1000	444.5000	469.9000	495.3000	520.7000	546.1000	571.5000	596.9000
17/32	0.53125	318.2938	343.6938	369.0938	394.4938	419.8938	445.2938	470.6938	496.0938	521.4938	546.8938	572.2938	597.6938
9/16	0.56250	319.0875	344.4875	369.8875	395.2875	420.6875	446.0875	471.4875	496.8875	522.2875	547.6875	573.0875	598.4875
19/32	0.59375	319.8813	345.2813	370.6813	396.0813	421.4813	446.8813	472.2813	497.6813	523.0813	548.4813	573.8813	599.2813
5/8	0.62500	320.6750	346.0750	371.4750	396.8750	422.2750	447.6750	473.0750	498.4750	523.8750	549.2750	574.6750	600.0750
21/32	0.65625	321.4688	346.8688	372.2688	397.6688	423.0688	448.4688	473.8688	499.2688	524.6688	550.0688	575.4688	600.8688
11/16	0.68750	322.2625	347.6625	373.0625	398.4625	423.8625	449.2625	474.6625	500.0625	525.4625	550.8625	576.2625	601.6625
23/32	0.71875	323.0563	348.4563	373.8563	399.2563	424.6563	450.0563	475.4563	500.8563	526.2563	551.6563	577.0563	602.4563
3/4	0.75000	323.8500	349.2500	374.6500	400.0500	425.4500	450.8500	476.2500	501.6500	527.0500	552.4500	577.8500	603.2500
25/32	0.78125	324.6438	350.0438	375.4438	400.8438	426.2438	451.6438	477.0438	502.4438	527.8438	553.2438	578.6438	604.0438
13/16	0.81250	325.4375	350.8375	376.2375	401.6375	427.0375	452.4375	477.8375	503.2375	528.6375	554.0375	579.4375	604.8375
27/32	0.84375	326.2313	351.6313	377.0313	402.4313	427.8313	453.2313	478.6313	504.0313	529.4313	554.8313	580.2313	605.6313
7/8	0.87500	327.0250	352.4250	377.8250	403.2250	428.6250	454.0250	479.4250	504.8250	530.2250	555.6250	581.0250	606.4250
29/32	0.90625	327.8188	353.2188	378.6188	404.0188	429.4188	454.8188	480.2188	505.6188	531.0188	556.4188	581.8188	607.2188
15/16	0.93750	328.6125	354.0125	379.4125	404.8125	430.2125	455.6125	481.0125	506.4125	531.8125	557.2125	582.6125	608.0125
31/32	0.96875	329.4063	354.8063	380.2063	405.6063	431.0063	456.4063	481.8063	507.2063	532.6063	558.0063	583.4063	608.8063

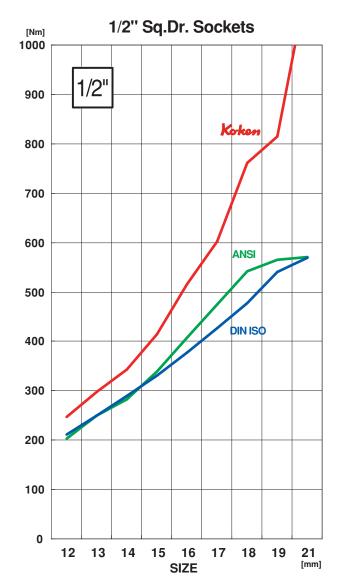


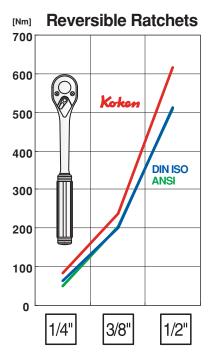


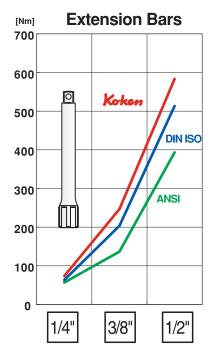


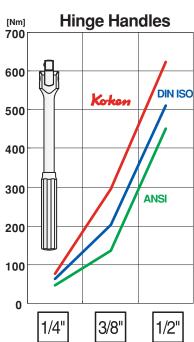












10099A	260	12410M	194	13760	211	14406M	21
100H	174	12425	195	13760-P	211	14410M	21
100P	174	12460A	195	13760-P.FR	279	14415M	21
100P (PZ)	174	12460AG	195	13770	212	14425	21
00S ` ´	174	12460M	195	13771	212	14425-EPL	21
00T (T)	174	12460MG	195	13772	212, 295	14433A	22
OOT (TH)	175	12465M	195	138	166	14440A	22
OOX (XZN)	175	124M (2B)	159	139	166	14440M	22
01A	169	12760	196	14012M	221	14444AL	22
01B	168	12760-P	196	14025	221	14444WA	22
01H	168	12770	196	141	152, 313	14455A	22
01P	168	127C	286	14100A	151	14465M	21
01S	168	128H	169	14100M	151	14466A	228, 30
01T (T)	168	128T	169	14101M	303	14466AL	220, 30
01T (TH)	168	13012M	206	14101MP	302	14488A-B	
							30
02KA	164	13025	206	14101MP/8H	302	144KM	28
02KM	164	13103M	153	14103M	153	145KM-10H	16
02KM.BH	164	13134	183, 206	14106	225	145LH3/8F	29
02KT	164	13134M	209	14112	303	14760	22
O2NA	164	13134T (IP)	209	14113J	300	14760-P	22
02NM	164	13134T (T)	209	14113M	300	14760-P.FR	28
03KA	165	13134X (XZN)	209	14118M	300	14770	22
O3KA.BH	165	13137E	177	14124	301	14771	22
03KM	165	13137H	177	14124/3	301	14772	228, 29
03KT	165	13139	173	14134	183, 221	148KM	28
0400A	260	13140	175	14134M	224	150-10H	16
0400M	260	13142-D6.3	173	14134T (IP)	224	150-14H	29
04A	158	13142-F11.2	183, 206	14134T (T)	224	15300M	23
04M	158, 297	13142-F6.3	177	14134X (XZN)	224	15310M	23
06	291	13145A-150	295	14137E	177	15400A	23
07-16	225, 240, 250	13145M	210	14139	173	15400M	23
07-16 (IP)	225, 240, 250	13145M (12P)	210, 289	14140	175	15410M	23
07-16 (T)	225, 240, 250	13145MG	210	14142-D6.3	173	154K	29
07-16 (XZN)	225, 240, 250	13146M	211	14142-F11.2	183, 221	154M	16
07-10 (XZN)	241, 251	13147M	211	14142-F6.3	177	154ML	16
07-22 07-22 (T)	241, 251	13242M	212	14145A-150	295	155	29
		13300A	203			15544A	23
07-32	252, 256			14145M	226		
A80	172	13300G	204	14145M-110MB	298	15555AL	23
08H	172	13300G-FR	279	14145MG	226	15566A	23
08P	172	13300M	203	14145PM-110	298	156M	15
088	172	13300M-FR	279	14146M	226	15770	23
108T (T)	172	13300XG	203	14147M	227	157H	160, 29
108T (TH)	172	13301A	203	14184	311	157P	160, 29
10	184	13301M	203	141P	152, 313	157\$	16
12	184	13301X	202	1418	152, 313	157T	160, 29
13	179	13305M	204	142	312	158	29
13 (2B)	179	13306M	204	14201M	298	160K	16
13 (E)	179	13310M	204	14207M	229	16101M	30
13-SV	281	13322A	212	14208M	229	16102M	30
13UN	181	13325	205	14209M	229	16106	23
15	180	13333AL	211	14210M	229	16106-16	23
15-SV	281	13333WA	212	14210T	229	16106-16 (T)	23
15G	181	13344A	212	14210X	229	16106-16 (XZN)	23
15G-FR	281	13365M	204	14218M	300	16107	24
17	184	13400-WN	202	14219M	300	16107-22	24
20	184	13400A	197	14241A	230	16134	18
201	152, 313	13400AG	199	14241M	230	16201A	24
202	169	13400M	197	14242M	230	16201M	24
203	166	13400M-FR	279	14245M	230	16245M	24
206	292	13400MG	199	14300A	218	162E	31
210	293	13401A	198	14300G	220	162RK	32
210E	293	13401LH	202	14300G-FR	280	16300A	23
212	294	13401M	198	14300M	218	16300M	23
2137E	177	13401MS	199	14300M-FR	280	16301A	23
2139	173	13405A	197	14301A	218	16301M	23
2140	175	13405M	197	14301M	218	16301X	23
2142-F6.3	177	13406A	198	14301X	217	16305M	237, 28
21H	176	13406M	198	14305M	219, 295	16310M	23
21P	176	13410M	199	14306M	219	16316A	30
21T (IP)	177	13425	201	14310M	219	16316M	30
21T (T)	176	13425-EPL	201	14325	220	16317A	30
21T (TH)	177	13425-EPRL	201	14365M	220	16317M	30
2222AL	196	13425EG	201	14400-WN	217	16325	23
2233A	196	13430M	205	14400-WN 14400A	217	16400A	23
2300G	196	13440A	205	14400M	213	16400M	23
2300M	196	13440M	205	14400M-FR	280	16401A	23
2365M	196	13440T	205	14400MG	215	16401M	23
23PG	178, 311	13460A	200	14401A	214	16405A	23
23PN	178, 311	13460AG	200	14401LH	217	16405M	23
23PT	178	13460M	200	14401M	214	16410M	23
2400A	194	13460MG	200	14401MS	215	16425	23
2400AG	194	13465M	200	14405A	213	16425-EPL	23
2400M	194	135E	184	14405M	213	165BM	17
		137		14406A	214	165LM	

6644A	242	186	184	24103M	276	2771Z	028
6644AL	242	18760	252	2410M	049	2772Z	028
6655A	242	18770	253	2415A	049	2774J	061
6666AL	242	18771	253	2415M	049	2774JS	060
6688A	242	18866A	253	2425	051	2774JS-3/8	092
66P	188	18877A	253	24300A	276	2774N	061
66PS/6	188	18888AL	253	24300M	276	2774P	061
66S	188	19300M	259	24305M	276	2774P-1/4HF	173
6760	241	19400A	258	2430M	055	2774P-5/16HF	175
6770	242	19400M	258	2430T	055	2774PS	060
6771	242	19760	259	24310M	276	2774PS-3/8	092
67A	186	19770	259	24400A	275	2780	064
67C (2B)	186	19977A	259	24400M	275	2785	064
` '	186					280PM	
67M		2000 (PH)	055	24405M	275		298
68C	189	2000 (PZ)	055	2440A	054	3000 (PH)	080
68CS	189	2000Z	025	2440M	054	3000 (PZ)	080
68H-B	187	2005	055	2440T	054	3005	080
58P	189	2005Z	025	24410M	275	3010A	081
68P (PZ)	187	2010A	056	2441M	054	3010M	081
68PS/6	189	2010M	056	2441MZ	025	3010MZ	032
68S	189	2010MZ	025	24425	275	3011M	083
68T (250)	294	2011M	056	2445A	054	3012A	082
68T (IP)	322	2020	056	2445M	054	3012M	082
68T (TH)	187	2025 (IP)	058	2450AS	050	3012M-25	291
68T/7 (TH)	187	2025 (T)	057	2450MS	050	3015M	083
i9	294	2025 (TH)	057	2455AS	050	3020	084
i9/2	294	2025 (IH) 2025-28 (IPR)	058	24760-P	276	3025 (IP)	087
9BP	294	2025Z	026	2715	161	3025 (IPR)	087
9HR	294	2120	061	2725BRK-1 (3/8)	322	3025 (T)	085
9HR/2	294	2127	154	2725RK-1	322	3025 (TH)	086
69WM	294	2137	173	2725RK-2	322	3025-100R (T)	085
'0S	316	2138	175	2725RK-2 (3/8)	322	3025-100R (TH)	086
71	316	2201AM	065	2725RK-3/8	322	3025Z	032
7108	256	2203A	065	2725Z	026	3027	084
7108-32	256	2203M	065	2725Z-160	026	3110A	290
71B-1/2	317	22300A	272	2725Z-3/8	033	3110M	290
71S	316	22300M	272	2725Z-3/8 (L160)	033	3110MGH	290
71SB-1/2	317	2233A	064	2725ZB-3/8	034	3112G	170
2	317	22400M	272	2725ZB-3/8 (L160)	034	3112N	170
7300A	255	22425	272	2726Z	027	3112RK	321
7300M	255	2250A	065	2726Z-160	027	3116M	159
7400A	254	2250M	065	2726Z-3/8	035	3117M	080
7400M	254	2254M	065, 169	2726Z-3/8 (L160)	035	3119	310
7405A	255	2257M	066	2726ZB-3/8	036	3127	154
'405M	255	2260M	066	2726ZB-3/8 (L160)	036	3128	155
760	257	2261M	066	2749N-3/8	088	3129	156
7770	257	2262M	066	2749P-1/4HF	173	3131A	163
788A	257	2275	067	2749P-3/8	088	3131E	163
799A	257	2276	067	2749P-5/16HF	175	3132	163
3101M	303	2277	067	2749PS-3/8	088	3137	173
102M	304	2277A-12P	067	2749RK	320	3138	175
102W 104M	246	2277A-12P 2285ZE	029	2749RK-3/8	320	3200A	100
		2285ZE 2286Z	029 029				
106	249		050	2752N	060	3200M	100
106-16	249	2300A	052	2752RK	320	3201AMW	100
106-16 (T)	249	2300M	052	2753BRK	320	3206A	100
106-16 (XZN		2300MZ	024	2753J	059	3206AM	100
107	251	2300W-BA	053	2753JB	060	3206M	100
107-22	251	2300X	051	2753N	059	3210M	101
108	252	2300XZ	024	2753NB	060	3217M	101
108-32	252	2305A	052	2753P	059	3220M	101
300A	247	2305M	052	2753P-160	059	3221M	101
300M	247	23103M	274	2753PB	060	3225A	286
301A	248	2310M	053	2753PS	059	3244	101
	248				320	3244	
301M		2325	053	2753RK			086, 293
301X	247	23300A	274	2755	061	3250M	102
310M	248	23300M	274	2755RK	321	3252M	102
316A	306	23305M	274	2756	061	3264	163
316M	306	23310M	274	2756Z	028	3275	103
317A	306	23325	274	2756Z-1/2	028	3276	103
317M	306	23400A	273	2756Z-3/8	028	3277	103
3H	182, 207, 222, 264	23400M	273	2760	062	3279AM	103
3H-B	182, 207, 222, 264	23405M	273	2760Z	028	3285Z	039
3T (IP)	183, 208, 223, 265	23410M	273	2762	061	3285ZA	039
3T (T)	182, 208, 223, 264	23425	273	2763	062	3285ZE	039
3X (XZN)	183, 208, 223, 265	2350G-12PSG	287	2768J	062	3286Z	039
34.64	311	2350M	053	2768N	062	3300A	074
400A	244	2350X	051	2768P	062	3300C	284, 285
3400M	244	23760-P	274	2768RK	323	3300CB	284
	245	2400A	048	2769F	063	3300CZ	031
14U I A	245	2400M	048	2769H	063	3300FN	076, 288
		4400III	U+0				
8401M		2/10/1/7	024	2760N	063 100	33UUN	074
8401M 8405A	245	2400MZ	024	2769N	063, 190	3300M	
8401A 8401M 8405A 8405M 8410M		2400MZ 2400W-BA 2405A	024 049 048	2769N 2769NWF 2770	063, 190 063, 190 064	3300M 3300M (L120) 3300M/4-L120	074 077 077, 293

300P	284	3749SBRK-1/2	320	4110M	290	4440M	1
300S	284	3749SRK-1/2	320	4111M	290	4440T	1
300W	075	3751J	286	4112G	170	4445A	1
10X	073	3752J	089	4112N	170	4445M	1
OXA	073	3752N	089	4112RK	321	4450M	1
OXZ	030	3752RK	321	4117M	111	4466A	1
)5A	074	3753BRK	320	4122-72	288	4711X	162, 2
05M	074	3753J	090	4127	155	4711XZ	C
D5M (L120)	077	3753JB	091	4128	155	4715	1
)5M/4-L120	077	3753N	090	4129	157	4715S	1
)5P	284, 297	3753NB	091	4131A	163	4715SL	1
)5P-250	285	3753P	090	4132	163	4725BRK-1	3
15PZ	031	3753P-250	090	4133	288	4725RK-1	3
)5W	075	3753PB	091	4137	173	4725RK-2	3
15X	073	3753RK	320	4138	175	4725Z	(
15XA	073	3753SM	090	4202	291	4725ZB	Ċ
IOM	075	3753SMB	091	4203M	153	4747	1
2A	099	3755	095	4203MF	153	4749J-380	1
2AZ	038	3755RK	321	4211A	150	4749N-250	1
			-				
25	076	3756	095	4211M	150	4749N-380	1
IOC	285	3756Z	038	4214M	150	4749RK	3
10M	079	3756Z-1/2	038	4222M	128	4750BRK	3
11G	287	3756ZS	038	4223M	128	4750J	1
12G-150	287	3757	095	4227M	128	4750JB	1
14A	099	3760	096	4230A	128	4750N	1
5P	285	3760LZ	037	4230M	128	4750NB	1
OA (L120)	077	3760Z	037	4232M	129	4750P	
OM (£120)	076	3762	095	4238AM	129	4750PB	
	077	3763	096	4241A	130	4750RK	
50M (L120)							3
0M/2-L120	077, 293	3768J	097	4241M	130	4752J	
OX	073	3768N	097	4244A	130	4752N	•
0A	069	3768P	097	4244M	130	4752RK	
OLH	071	3768RK	323	4248M	131	4753BRK	3
MO	069	3768Z	037	4250M	131	4753J	1
10M-24	291	3768ZRK	323	4251A	131	4753JB	1
OMZ	030	3769H	098	4251M	131	4753N	1
OW	070	3769N	098, 190	4252A	131	4753NB	1
)5A	069	3769NWF	098, 190	4252M	131	4753P	1
	069	3770	090, 190	4254	131	4753P-410	
05M							1
05W	070	3771	098	4261M	132	4753PB	1
IOM	070	3771Z	037	4263M	132	4753RK	3
15A	071	3772Z	037	4273AM	132	4755	1
15M	071	3774J	092	4275	133	4755RK	3
25	071	3774JB	093	4276	133	4756	1
25 (2B)	072	3774JBL	094	4277	133	4756Z	(
BOM	079	3774JL	094	4279AM	133	4760	1
IOA	078	3774N	092	4282	292	4760LZ	C
IOM	078	3774NB	093	4285Z	044	4760Z	(
IOT	078	3774NL	094	4285ZE	044	4763	1
		****					
1M	079	3774P	092	4289M	133	4768J	
1MZ	032	3774P-SR	093	4300A	108	4768N	
15A	078	3774PB	093	4300C	284	4768P	
I5M	078	3774PL	094	4300H	289	4768RK	3
15W	078	3774PS	092	4300H (8P)	289	4768Z-430	(
0A	072	3776J	089	4300M	108	4768ZRK	(
OM	072	3776N	089	4300M (L110)	299	4770	
OMH	072	3776P	089	4300M (L120)	108	4771	
5	161	37707	099	4300M (L120)	299	4771Z	(
						4771Z 4772Z	(
58	161	3785	099	4300PMZ	041		
5SL	161	4000 (PH)	111	4300S	284	4774J	
5SLK	161	4000 (PZ)	111	4305A	108	4774JB	
6	161	4005	111	4305M	108	4774N	
5BRK-1	322	4010A	112	4310M	109	4774NB	
5RK-1	322	4010M	112	4325	109	4774P	
5RK-2	322	4010M (12P)	289	4325 (L140)	109	4774P-450	
5Z	033	4012A	117	4325 (L140)-2B	109	4774PB	
5Z-280	033	4012M	116	4340C	285	4780-400	
5ZB	034	4012M-43	296	4400A	105	4781N-450	
5ZB-280	034	4020	113	4400A 4400LH	105	4785	
5ZS	033	4020-60 (MH)	290	4400M	104	4788	
5ZSB	034	4025 (IP)	115	4400M-DU	296	6012M	•
6Z	035	4025 (T)	114	4400MZ	040	6100M	
6Z-280	035	4027	115	4400W	105	6100MRK	;
6ZB	036	4100A	150	4405A	105	6101	:
6ZB-280	036	4100ARK	323	4405M	104	6102M-400	
6ZS	035	4100M	150	4405M-DU	296	6112	
6ZSB	036	4100MRK	323	4405W	105	6112RK	;
19BRK	320	4101	295	4410M	106	6201A	
9N	088	4102	291	4425	106	6201M	
9RK	320	4103A	153	4425-EPL	107	6212A	
198	088	4103M	153	4425-EPRL	107	6212M	
98-1/2	118	4104	152	4425-N	106, 295	6260A	
	088	4109M	290	4433A	127	6260M	1
19SB							

6300A	135	BD022-120P	184	RS2025/7-H0LE	057	RS3400A/9	069
6300M	135	BD023E	311	RS2025/7-IP	058	RS3400LH/7	071
6305A	135	BD024E	311	RS2025/7-IPR	058	RS3400M/12	069
6305M	135	BD030W-1/2	311	RS2025Z/7	026	RS3400M/8	069
6400A	134	BD030W-1/2	308	RS20XXZ/9	025	RS3400MZ/12	030
6400M	134	BD14400MJ	314	RS2127/10	154	RS3400MZ/8	030
6405A	134	BIT-60E	308	RS2127/6	154	RS3400W/7	070
6405A-MV	296	C-Ring	268	RS2300A/9	052	RS3405A/9	069
6405M	134	C-Ring Set	268	RS2300M/12	052	RS3405M/12	069
6425	134	CLIP.P/5	044	RS2300MZ/12	024	RS3405M/8	069
6644A	139	D3753J	090	RS2300X/12	051	RS3405W/7	070
6688A	139	D4753J	120	RS2300XZ/9	024	RS3410M/12	070
6749	136	HA001	315	RS2305A/9	052	RS3425/4 (2B)	072
6749-HEAD	136	HA002	315	RS2305M/12	052	RS3425/9	071
6749RK	320	HA003	315	RS2310M/12	053	RS3430M/6	079
6752	136	HA004	315	RS2350M/4	053	RS3440A/8	078
6752-HEAD	136	NV13134	265		051	·	078
				RS2350X/4		RS3440M/8	
6752RK	321	NV13145	263	RS2400A/9	048	RS3440T/8	078
6755	137	NV13400	263	RS2400M/12	048	RS3441M/11	079
6755RK	321	NV13760-P	263	RS2400MZ/12	024	RS3441M/5	079
6760	137	NV14134	265	RS2400W/9-BA	049	RS3445W/7	078
6768	138	NV14145	266	RS2405A/9	048	RS3450A/9	072
6768-HEAD	138	NV14400	266	RS2405M/12	048	RS3450M/10	072
6768RK	323	NV14433A-P	266	RS2410M/12	049	RS3450M/8	072
6770	139	NV14760-P	266	RS2425/6	051	RS3450MH/6	072
6785	138	NV14700-P NV16400		RS2441M/11	054	RS3X00MZ/12	
			267				031
6788	138	NV16760	267	RS2445A/9	054	RS4010A/10	112
8012M	143	0-Ring	269	RS2450AS/6	050	RS4010M/10	112
8102M-400	304	P2201AM	068	RS2450MS/11	050	RS4012A/10	117
8200A	146	P2251M	068	RS2450MS/6	050	RS4012M/10	116
8200M	146	P2258M	068	RS2455AS/6	050	RS4020/6	113
8225M	146	P2281A-12P	068	RS3010A/8	081	RS4025/9	114
8400A	142	P2285Z	029	RS3010M/8	081	RS4025/9-IP	115
8400M	142	P3262M-6P	102	RS3010MZ/8	032	RS4027/6	115
8405A	142	Pin	269	RS3012A/8	082	RS4127/6	155
8405M	142	PIPE	136, 138, 144	RS3012M/8	082	RS4129/5	157
8749	144	PK166PS/6	188	RS3015M/8	083	RS4300A/10	108
8749-HEAD	144	PK168PS/6	189	RS3020/6	084	RS4300M/10	108
8749RK	320	PK2346/6	099	RS3020/7	084	RS4305A/10	108
8760	143	PK2760/6	062	RS3025/8	085	RS4305M/10	108
8768	144	PK2763/6	062	RS3025/8-IP	087	RS4310M/10	109
8768-HEAD	144	PK3760/6	096	RS3025/8-L100R	085	RS4325/7	109
8768RK	323	PK3763/6	096	RS3025/8-L100RH	086	RS4400A/10	105
8770	143	PK4760/5	126	RS3025/9-H0LE	086	RS4400LH/6	107
8785	144	PK4763/5	126	RS3025/9-IPR	087	RS4400M/10	104
8788	144	PS6	305	RS3025Z/8	032	RS4400MZ/10	040
8866A	143	PS8	305		084		105
				R\$3027/5		RS4400W/8	
AG112A	171	Puller	268	RS3127/8	154	RS4405A/10	105
AG112F	171	PW6P	305	RS3129/6	156	RS4405M/10	104
AG112H	171	PW8L	305	RS3300A/9	074	RS4405W/8	105
AG318A	171	PW8P	305	RS3300FN/6	076, 288	RS4410M/10	106
AN112A	171	PW8P/4	305	RS3300FN/6	288	RS4425/6-EPL	107
AN112C	171	R810	165	RS3300M/12	074	RS4425/6-N	106, 295
AN14300	300	R810A	167	RS3300M/8	074	RS4425/7	106
AN318A	171	R810B	167	RS3300MZ/12	031	RS4450M/10	107
AS2305A	052	R810C	167	RS3300MZ/8	031	RSAL	044
						RSAL200	044
AS2405A	048	R810D	167	R\$3300W/7	075		
AS2445A	054	R810E	167	RS3300X/8	073	RSAL300	044
BD003E-I	310	RS13025/8	206	RS3300XA/9	073	RSAS2305A/10	052
BD004	312	RS13301X/9	202	RS3300XZ/12	030	RSAS2405A/10	048
BD008E (12P)	309	RS13400M/11	197	RS3300XZ/8	030	RSX025/11-IP	087
BD008E-165 (12P)	308	RS13401M/9	198	RS3305A/9	074	RSX025/11-IPR	087
BD011SE	309	RS13401MS/11	199	RS3305M/12	074	S14240M	230
BD013E	310	RS14012M/10	221	RS3305M/8	074	S3240A	102
BD014E	308	RS14025/6	221	RS3305W/7	075	S3240M	102
BD014E-SF	309	RS14124/7	301	RS3305X/8	073	S4240A	129
							129
BD014SE	308	RS14301X/10	217	RS3305XA/9	073	\$4240M	
BD014XE-SF	309	RS14401M/10	214	RS3310M/12	075	SP4122-69	288
BD016E	314	RS14401MS/10	215	RS3325/9	076	SP4300M	288
BD016JE	314	RS2010A/8	056	RS3340M/8	079	SP4305M-77	288
BD017E	310	RS2010M/7	056	RS3350M/5	076	ST4027-140	289

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